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नई दिल्ली, शनिवार, सितम्बर 1, 1990 (भाद्रपद 10, 1912)
NEW DELHI, SATURDAY, SEPTEMBER 1, 1990 (BHADRA 10, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 1st September 1990

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Telegraphic address "PATENTOFIS".

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234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्य तथा अनिकल्प

कलकत्ता, दिनांक 1 सितम्बर 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोही इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा विप एवं दादरा और नगर द्रवेली।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिर्कोय तथा एमिनिविधि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य घनावेश अथवा ढाक आवेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है।

REGISTRATION OF PATENT AGENTS.

The names of the following Patent Agents have been declared from the Register of Patent Agents under Rule 101(i) (d) of the Patents Rules, 1972 :—

1. Shri K.S. Mani, C/o. M/s. Crawford & Bayley & Co., State Bank Building, Bank Street, Bombay-400023.
2. Shri S.N. Mukherjee, 10, Old Post Office Street, Calcutta-700 001.
3. Shri N.J. Antony, Sultan's Battery, P.O., Wayanad District, Kerala.
4. Shri V.K. Govil, C/o. M/s. B.C. Dasgupta & Co., 1, Jaising Road, New Delhi-110 048.
5. Shri N. Das Gupta, C/o. M/s B.C. Dasgupta & Co., 1, Jaising Road, New Delhi-110 048.
6. Shri B.K. Niyogi, 6/7C, Acharya Jagadish Bose Road, Calcutta-700 017.
7. Shri M.M. Talsania, C/o. M/s. Jhangir Gulabbhai & Billimoria & Daruwalla, Rajabhadur Mansion, 20, Ambalal Doshi Marg, Fort, Bombay-400 023.
8. Shri Babul Mukherjee, 40/43, Gautam Nagar, New Delhi-110 049.
9. Shri S. Adakalam, 110, Law Chambers, High Court, Madras-600 001.

CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 9th December 1989, Page 1173 Column—2 under heading "Cessation" of Patents.

DELETE Patent No. 151284.

In the Gazette of India Part III Section—2 dated the 6th January 1990, Page-3, Column—2, under heading "Cessation" of Patents.

Delete Patent No. 151406.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE
234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

24th July, 1990.

- | | |
|------------|---|
| 616/Cal/90 | Crushmore Maxban India. Improvements in or relating to pulling and lifting machine. |
| 617/Cal/90 | Ashish Kumar Das. Enhanced recovery of crude oil by surfactant and acid effect using RCOOH. |
| 618/Cal/90 | Ashish Kumar Das. Production of superconducting SN compounds. |
| 619/Cal/90 | Ashish Kumar Das. Accelerated heat transfer by liquid ammonia in saline geological beds. |

- 620/Cal/90 Ashis Kumar Das. Enhanced recovery of crude oil by polymer induced physico-chemical processes.
- 621/Cal/90 Du Pont Canada Inc. Piercing nozzle for pouch fitment. (Convention dated 27th July, 1989) U.K. No. 89.17163.1.
- 622/Cal/90 Atochem North America, Inc. 2,4-Pentanedionemonosulfonic acid and method for preparing the same.
- 623/Cal/90 Golden Valley Microwave Foods, Inc. Microwave corn popping package.

25th July, 1990.

- 624/Cal/90 Hilmont Incorporated. Process for the stabilization of polyolefin and products obtained thereby.
- 625/Cal/90 Hoechst Aktiengesellschaft. Process for the destruction of cyanuric fluoride in the residues obtained during its preparation.
- 626/Cal/90 Concast Standard Ag. An electromagnetic agitator equivalent to electromagnetic stirrer in a continuous-casting plant.
- 627/Cal/90 Hoechst Aktiengesellschaft. Process for the preparation of 5-chloro-2-hydroxy-4-alkyl-benzenesulfonic acids.
- 628/Cal/90 Trutzschler GmbH & Co. Kg. A procedure and device for the joining of a card web to a card sliver, for example, at a carding machine.
- 629/Cal/90 A Gracetus. A method of making a genetically transformed line of plants. [Divisional dated 24th November, 1987].

26th July, 1990.

- 630/Cal/90 Kabelmetal Electro Gesellschaft mit beschränkter Haftung. Stranding machine.
- 631/Cal/90 Golden Valley Microwave Foods, Inc. Method for devitalizing seed.

27th July, 1990.

- 632/Cal/90 M.L. Dalmiya & Co. Ltd. Process chain for the execution and transportation of cinder-water mixture.
- 633/Cal/90 M.L. Dalmiya & Co. Ltd. Quick-Release pipe joint for stowing pipeline.
- 634/Cal/90 M.L. Dalmiya & Co. Ltd. A way of supplying backfilling of fly ashes particularly smoke-box dust into operating stopes and stowing pipeline for supplying the dust.
- 635/Cal/90 E.I. Du Pont De Nemours And Company. Compositions and process of using in refrigeration.

30th July, 1990.

- 636/Cal/90 Bata India Limited. An improved process of producing insoles for footwears.
- 637/Cal/90 Silicon Graphics, Inc. File alteration monitor for computer operating and file management systems.
- 638/Cal/90 Metallgesellschaft Aktiengesellschaft. Process of cleaning dedusting electrostatic precipitators.
- 639/Cal/90 Hoechst Aktiengesellschaft. Process for the preparation of 4,4'-dihydroxydiphenyl sulfone.
- 640/Cal/90 E.I. Du Pont De Nemours And Company. Softening and bulking stitchbonded fabrics.

- 641/Cal/90 KSB Aktiengesellschaft. A centrifugal pump housing constructed of sheet metal.
- 642/Cal/90 Silicon Graphics, Inc. File characterization for computer operating and file management systems.
- 643/Cal/90 Hitachi, Ltd. DC High-Speed vacuum circuit breaker and electric motor vehicle equipped with this circuit breaker.
- 644/Cal/90 Felten & Guillaume Fabrik elektrischer Apparate Aktiengesellschaft. Automatic cutout.
- 645/Cal/90 Goldstar Co., Ltd. System and method for displaying world time in a television receiver.

Application for patents filed at the Patent Office Branch, Municipal Market Building, IIIrd Floor, Karol Bagh, New Delhi-5.

25th June, 1990.

- 632/Del/90 Warner-Lambers Co., "Improved salt substitute granule".
- 633/Del/90 FMT Holdings, Incorporated, "Apparatus and process relating to a preform with geodesic reinforcement ring".
- 634/Del/90 Inductotherm Corp, "Phase difference control circuit for induction furnace power supply".
- 635/Del/90 Agricultural Research and Advisory SDN BHD, "Extraction of latex from hevea brasiliensis".
- 636/Del/90 UOP, "Two direction inlet fluid distributor for down-flow vessel containing bed of solid particles".

26th June, 1990.

- 637/Del/90 The Procter & Gamble Co., "Electrostatic coating of detergent granules".
- 638/Del/90 The Procter & Gamble Co., "Process for making starch based chip food products".
- 639/Del/90 Voest-Alpine Aktiengesellschaft, "A method of recovering metals and metal alloys and a plant therefor". Divisional date 19th October, 1987.
- 640/Del/90 Voest-Alpine Aktiengesellschaft, "A method of recovering metals and metal alloys and a plant therefor". Divisional date 19th October, 1987.
- 641/Del/90 International Business Machines Corporation, "Copper doped low melt solder for component assembly and rework. (Convention date 3rd October, 89) (U.K.)
- 642/Del/90 General Signal Corporation, "Piezo electronic horn".
- 643/Del/90 BP Chemicals Limited, "Process for discharging solid particulate polyolefin products". (Convention date 30th September, 86) (U.K.) & Divisional date 9th June, 1987.
- 644/Del/90 International Business Machines Corporation, "Adding system characteristics to a data processing system". (Convention date 24th October, 89) (U.K.)
- 645/Del/90 International Business Machines Corporation, "Command delivery for a computing system". (Convention date 10th April, 90), (U.K.)

27th June, 1990.

- 646/Del/90 Council of Scientific & Industrial Research, An improved process for the texturization of substrate surfaces".

647/Del/90 Council of Scientific & Industrial Research, "An improved process for the separation of 1,4 benzoquinone, phenol, catechol and hydroquinone simultaneously".

648/Del/90 Council of Scientific & Industrial Research, "An electronic device for disinfection of drinking water".

27th June, 1990.

649/Del/90 Council of Scientific & Industrial Research, "An improved process for the separation of N-acetyl phosphoramidothioates".

650/Del/90 Maui Shiitake Trading Company Inc., "Substrate and method for culture of Fungi, including shiitake (*Lentinus Edodes*)".

651/Del/90 Synthelabo, "Method of preparing (+)-(2S, 3S)-3-Hydroxy-2-(4-methoxyphenyl)-2, 3-dihydro-5H-1, 5-Benzothiazepine-4-one and chlorinate derivatives thereof".

652/Del/90 Himoni Incorporated, "A process for smaking organosilane compounds".

653/Del/90 The B.F. Goodrich Company, "Hinged rigid or semi-rigid thermoplastic product".

654/Del/90 The B.F. Goodrich Co, "Method for providing improved colloidal stability and resulting polyvinyl chloride product using a hot charge polymerization procedure with an emulsifier package".

655/Del/90 STC PLC, "Optical fibre cable". (Convention date 1st July, 1989) (U.K.)

656/Del/90 International Business Machines Corporation, "A single physical main storage unit shared by two or more processors executing respective operating systems". (Convention date 24th October, 1989) (U.K.)

28th June, 1990.

657/Del/90 Glaverbel, "Process of-forming a porous refractory mass and composition of matter for use in such process".

658/Del/90 Laboratories Del Dr. Esteve, S.A., "New azetidines, their preparation and their application as intermediates for the preparation of compounds with antimicrobial activity".

29th June, 1990.

659/Del/90 Warner-Lambert Co., "Polymer base blend compositions containing destructured starch".

660/Del/90 The Lubrizol Corporation, "Aqueous compositions containing carboxylic salts". Divisional date 4th June, 1987.

661/Del/90 International Business Machines Corporation, "Servicing interrupts in a data processing system". (Convention date 24th October, 89) (U.K.)

662/Del/90 International Business Machines Corporation, "Inter-processor communication". (Convention date 24th October, 89) (U.K.)

663/Del/90 International Business Machines Corporation, "Data processor initialisation". (Convention date 24th October, 89) (U.K.)

664/Del/90 International Business Machines Corporation, "Fault tolerant data processing system". (Convention date 24th October, 89) (U.K.)

665/Del/90 International Business Machines Corporation, "Adaptive routing in networks". (Convention date 30th April, 90) (Canada).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013.

6-7-1990.

179/BOM/1990 Ajay Jayawant Kowley, Manufacture of milk cans by rotational casting technique from low density, polythene, linear low density polythene high density polythene, crosslinked polythene and poly polythene all in powder form.

9-7-1990.

180/BOM/1990 Amritbhai Hiblal Patel, An improved and modern process for preparing Ayurvedic Medicinal Plant based Ayurvedic Medicinal Smoking Cigarette.

12-7-1990.

181/BOM/1990 Jethalal Chhabildas Kansara, A mini geyser operated by any heating means.

ALTERATION

167099 (972/Mas/86) Anti-dated to August 07, 1984.

167100 (192/Mas/88) Anti-dated to November 30, 1984.

167128 (180/Mas/88) Anti-dated to November 27, 1984.

167129 (181/Mas/88) Anti-dated to November 27, 1984.

167130 (182/Mas/88) Anti-dated to November 27, 1984.

167139 (76/Bom/89) Anti-dated to July 24, 1986.

167140 (77/Bom/89) Anti-dated to July 24, 1986.

PATENT SEALED

150053	161121	163405	163873	164461	165070	165408	165482
165499	165506	165539	165540	165543	165544	165545	165546
165548	165549	165554	165556	165581	165583	165584	165711
165714	165746	165752	165753	165755	165757	165768	165782
165783	165784	165785	165788	165789	165791	165794	165799
165804	165805	165806	165807	165808	165809	165810	165848

CAL—13.

DEL—13.

MAS—19.

BOM— 3.

RENEWAL FEES PAID

146610	146907	147004	147282	147304	147469	147540	147568
147753	148221	148254	148939	149174	149236	149290	149294
149295	149296	149297	149693	149733	149894	150071	150916
150917	150953	150591	151014	151391	151585	151950	152155
152225	152315	152410	152566	152655	152739	152797	153013
153123	153321	153584	153812	153999	154070	154219	154255
154276	154574	154575	154709	154738	154898	155038	155097
155246	155254	155756	155761	155765	155867	156242	156252
156407	156498	156726	156821	156995	156996	157153	157359
157415	157422	157972	158156	158201	158207	158402	158412

158413	158727	158787	159077	159086	159200	159329	159581
159969	159999	160086	160376	160606	160635	160653	160726
160727	160728	160869	160916	160917	160926	161111	161144
161303	161356	161359	161366	161432	161474	161632	161652
161689	161773	161818	162028	162034	162041	162044	162045
162046	162052	162177	162305	162365	162555	162581	162687
162693	162714	162769	162807	162881	162906	162941	162979
162980	163033	163044	163061	163082	163251	163317	163318
163558	163599	163637	163639	163730	163757	163759	164022
164072	164127	164195	164196	164241	164249	164286	164295
164324	164382	164384	164629	164639	164674	164675	164699
164875	164876	164877	164889	164925	164944	164951	164955
164957	164958	164959	165007	165042	165061	165062	165063
165064	165065	165076	165077	165094	165095	165098	165102
165106	165107	165110	165115	165119	165121	165132	165137
165176	165193	165194	165195	165235	165239	165241	165262
165258	165269	165270	165305	165307	165351	165357	165359
165361	165364	165471					

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एलइमारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अप्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कमी मी नियंत्रक, एकस्थ को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रमार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अक्षयगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रमार 4/- रु० है) फोटो लिप्यान्तरण प्रमार का परिकल्पन किया जा सकता है।

IND. CLASS : 136-M-[XIII]
Int. Cl.⁴ : B 29 C 51/24.

167091

TIRE VULCANIZER.

Applicant : KABUSHIKI KAISHA KOBE SEIKO SHO, ALSO KNOWN AS KOBE STEEL, LTD., A JAPANESE CORPORATION OF 3-18 WAKINOHAMA--CHO 1-CHOME, CHUO-KU KOBE 651, JAPAN.

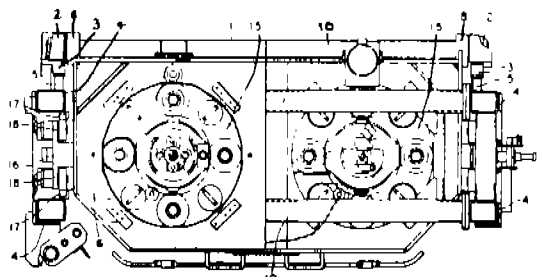
Inventors : (1) ITARU AMANO, (2) YASUHIKO FUJIEDA, (3) KATSUMI ICHIKAWA, (4) MASAHIKE KANZAWA, (5) TOSHIOYANAGIHARA AND (6) SHIKAO MISUMI.

Application No. 155/Maa/86 filed on March 6, 1986.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A tire vulcanizer comprising a lower mold assembly secured to a press base, an upper mold assembly held movably up and down on a press side frame and provided to be opened and closed with respect to said lower mold assembly, a molding bladder expansible with respect to a center mechanism of the lower mold assembly and pressurized heating medium supplying means, characterized in that for maintaining a parallelism of the upper and lower mold assemblies, a torsion shaft for maintaining the parallelism which is movable up and down and rotatable about an axis in synchronism with the upper mold assembly is mounted at a position parallel to the press base, at a right angle to the side frame and not interfered with the upper and lower mold assemblies.



Compl. Specn. 51 Pages.

Drgs. 15 Sheets.

IND. CLASS : 27-C&L-[GROUP—XXVI(1)]
Int. Cl.⁴ : B 28 b 7/22.

167092

MANUFACTURE OF PRECAST ARTICLES USING CEMENT CONCRETE, CEMENT MORTAR OR THE LIKE MATERIAL WITH OR WITHOUT REINFORCEMENT BY VERTICAL VIBROSINKING PROCESS AND DEVICE FOR THE SAME.

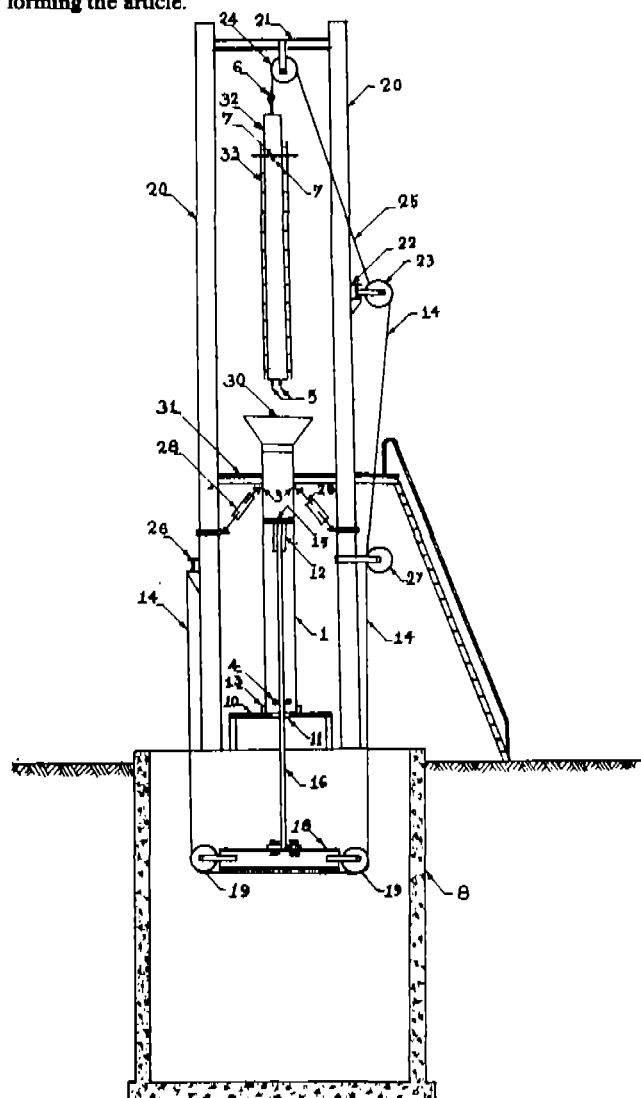
Applicants & Inventors : (1) VELAYIE AYDROSE MOHAMED, ENGINEER, BLAYIE PARAMBIL HOUSE, EDAPPALLY NORTH P.O., COCHIN-682 024, KERALA, INDIAN & (2) BLAYIE MOHAMED HYDER SIRAJ, S/O V. A. MOHAMED, BLAYIE PARAMBIL HOUSE, EDAPPALLY NORTH P.O., COCHIN-682 024, KERALA, INDIAN.

Application No. 160/Mas/86 filed on March 10, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A process of manufacture of precast articles using cement concrete, cement mortar or the like material, with or without reinforcement, by vertical vibrosinking process, wherein the input material is fed into a mould system held vertically, through a hopper placed on top of it and the input material so fed comes to rest on a piston plate having its shape and size in plan same as the shape and size of the inner cross section of the mould system, positioned inside the top end of the mould system with its top surface horizontal and arranged in such a manner that it can be held stationary at any level and can be allowed to move down smoothly inside the mould system like a piston at a controlled speed using any mechanical or hydraulic means, and as the mould system is vibrated using any vibrating device, and as the piston plate is allowed to move down gradually, the input material begins to sink down inside the mould system in a consolidated state, forming the article.



Compl. specn. 24 pages

Drgs. 5 sheets.

IND. CLASS : 25-A
Int. Cl.⁴ : E 04 C 1/00.

167093

AN IMPROVED PROCESS FOR MANUFACTURING BUILDING BLOCKS OR BRICKS USING CEMENT CONCRETE, CEMENT MORTAR, LIME CONCRETE OR THE LIKE MATERIAL AND THE BUILDING BLOCK/BRICK PRODUCED BY THE PROCESS.

Applicant & Inventor : VELAYIE AYDROSE MOHAMED, ENGINEER, BLAYIE PARAMBIL HOUSE, EDAPPALLY NORTH P.O., COCHIN-682 024, KERALA.

Application No. 161/Mas/86 filed on March 10, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process of manufacturing building block/brick using cement concrete/lime concrete or the like material with which it can be made, with a coating of cement mortar or the like material on any one or more of its sides by placing inside the mould used for making the block/brick a rigid casing, open at top and bottom, made of thin iron sheet or such material, the casing having such outer dimensions as to leave a space equal to the predetermined thickness of the coating between its outer face and the inner face of the mould on one or more sides as planned, when the same is placed inside the mould, and gradually introducing the slurried material of the coating into the space between the casing and the mould and feeding the block/brick forming material into the casing and gradually lifting the casing while the mould with the articles inside it is being vibrated or jerked and continuing the process till the mould is filled and the casing is lifted off from it, thereby making a block/brick in which the material of the coating and the block/brick forming material remaining distinctly, in one continuous operation.

Compl. specn. 15 pages

Drgs. 3 sheets.

IND. CLASS : 136-F-[GROUP—XIII]
Int. Cl.⁴ : B 28 B 7/00.

167094

IMPROVED MOULD SYSTEM FOR CASTING ARTICLES USING CEMENT MORTAR, CEMENT CONCRETE OR THE LIKE MATERIAL.

Applicant & Inventor : VELAYIE AYDROSE MOHAMED, ENGINEER, BLAYIE PARAMBIL HOUSE, EDAPPALLY NORTH P.O., COCHIN-682 024, KERALA. A SUBJECT OF THE INDIAN UNION.

Application No. 162/Mas/86 filed on March 10, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A mould system for casting articles using Cement mortar, cement concrete or the like material, comprising a rigid mould consisting two or more units and a structure made of a flexible material like rubber, plastic or thin sheet of tin or iron placed inside the rigid mould.

Compl. specn. 9 pages

Drgs. 4 sheets.

Ind. Cl. : 39-L
Int. Cl.⁴ : C 01 F 7/14

167095

AN IMPROVED METHOD AND APPARATUS FOR PRODUCING ALUMINA FROM SODIUM ALUMINATE LIQUOR SUPERSATURATED WITH ALUMINA.

Applicant : ALUMINIUM PECHINEY, OF 23 RUE BALZAC, 75008 PARIS, FRANCE, A FRENCH COMPANY.

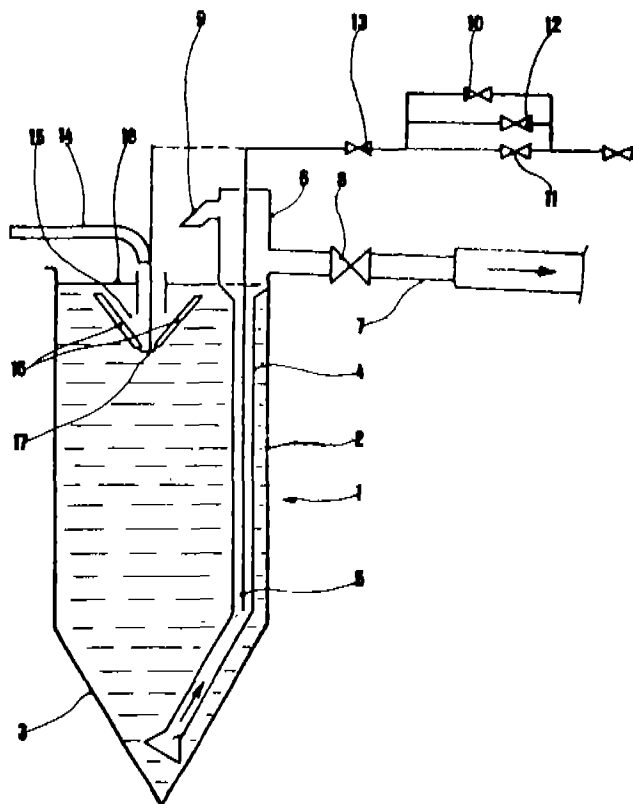
Inventors : (1) ERIC CHANTRIAUX, (2) HENRI GROBELNY, (3) YVES PERRET.

Application No. 183/Mas/86 filed on March 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

In an improved method for producing alumina from sodium aluminate liquor supersaturated with alumina obtained from alkaline action on bauxite by the Bayer process the improvement comprises in decomposing said sodium aluminate liquor by introducing alumina trihydrate as a trigger, thereby forming a suspension, feeding the said suspension at the top of a nonagitated reactor described as the "decomposer" and removing the said suspension from the bottom of the decomposer and thereafter separating alumina from the same by known method.



Compl. Specn. 14 Pages.

Drgs. 2 Sheets.

Ind. Class : 172-B-[XX]
Int. Cl.⁴ : D 01 F 6/62; 8/14

167096

AN IMPROVED PROCESS FOR THE MANUFACTURE OF A MULTIFILAMENT YARN.

Applicant : AKZO N. V. A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS OF Velperweg 76, 6824 BM ARNHEM, THE NETHERLANDS.

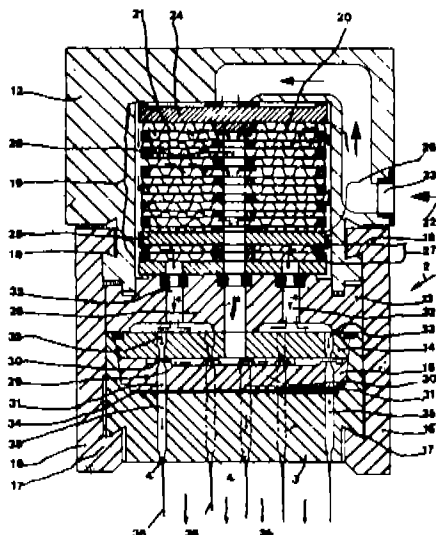
Inventors : (1) HENRICUS HUBERTUS WILHELMUS FEIJEN, (2) KARL ADO WEIGAND.

Application No. 204/Mas/86 filed on March 20, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

In a process for the manufacture of a multifilament yarn consisting of polyesters having a tenacity of at least 500 mN/tex, the improvement comprises the steps of melting the polyesters with different relative viscosity, extruding two or more concentric streams of said molten polyesters through a large number of spinning orifices, cooling the spun filament bundle, optionally drawing the filaments and finally collecting them wherein the spinning speed is higher than 450 m/min, the viscosity of said polyester stream in the core zone in each of the spinning orifices being higher than the viscosity of the stream in the sheath zone surrounding said core zone, wherein the difference in relative viscosity between said polyester stream in the core zone and said polyester stream in the sheath zone is less than 0.100.



Compl. Specn. 37 Pages.

Drgs. 4 Sheets.

Ind. Class : 72-B-[GROUP-XXXIX(3)]
Int. Cl.⁴ : C 06 B 31/00

167097

AN EMULSION EXPLOSIVE COMPOSITION PARTICULARLY FOR USE IN UNDERGROUND COAL MINES AND METHOD OF PREPARING SAME

Applicant : IDL CHEMICALS LIMITED, SANATHNAGAR (IE) (P. O.) HYDERABAD-500 018, ANDHRA PRADESH, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF INDIA.

Inventors : (1) NARLA VIDYASAGAR, (2) DR. KRISHNA-MURTHI SREENIVASAN, (3) DR. GARIMELLA DURGA PRASAD, (4) DR. ERODE GANAPATHY MAHADEVAN.

Application No. 211/Mas/86 filed on March 24, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An emulsion explosive composition particularly for use in underground coal mines classified as permissible explosive comprising :

(i) 5 to 25% of water;

(ii) 40 to 70% blend of inorganic oxidiser salts selected from ammonium nitrate, sodium nitrate, calcium nitrate, potassium nitrate, perchlorates of alkali and alkaline earth metal and mixture thereof;

(iii) 1 to 20% water soluble or sparingly soluble inert materials or coolants such as ammonium chloride, sodium chloride, potassium chloride, potassium bitartrate, sodium or potassium salts of carbonate or bicarbonate;

(iv) 2 to 12% of fuel phase consisting of paraffin wax, microcrystalline wax, white mineral oil and/or diesel oil;

(v) 0.1 to 5% of emulsifiers such as herein described; and

(vi) 0.2 to 8% sensitizer or bulking agents selected from glass microballoons, polymeric microballoons, or expanded perlite and/or chemical gas entrapment agents of the order of 0.02 to 2%.

Compl. Specn. 18 Pages.

No Drawing.

Ind. Class : 69-M-[LIX(1)]
Int. Cl.⁴ : H 01 H 3/06

167098

A SPRING OPERATING MECHANISM FOR AN ELECTRICAL SWITCH.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY OF 2-3 MARUNOUCHI-2 CHOME, CHYODA-KU, TOKYO, JAPAN.

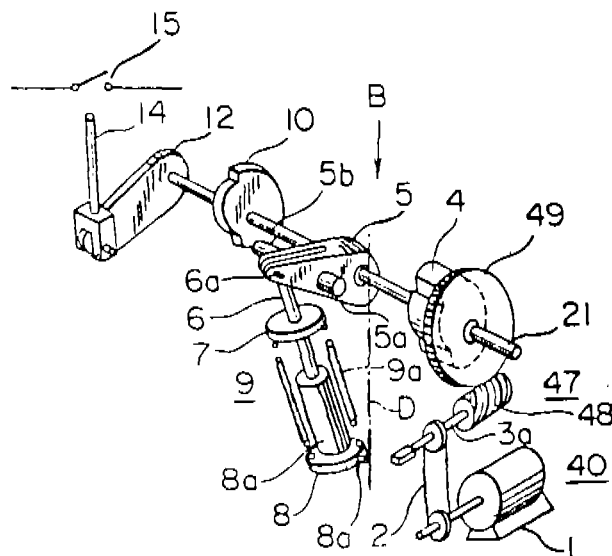
Inventors : (1) TADASHI KONDO, (2) KIYOSHI YABE.

Application No. 218/Mas/86 filed on March 24, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A spring operating mechanism for an electrical switch comprising : a drive mechanism; a drive lever having an engaging surface and connected to said drive mechanism for rotation about an axis; an actuating lever rotatable about said axis independent of said drive lever and having a first and a second engagement surface for engaging said engaging surface of said drive lever, said actuating lever being rotated when said engaging surface of said drive lever engages and pushes, said first engagement surface of said actuating lever; an energy storing means connected in an over-center mechanism relationship to said actuating lever for selectively storing and releasing energy for opening and closing the electrical switch in accordance with the rotational movement of said actuating lever; a driven lever rotatable about said axis independent of said drive lever and said actuating lever and having an engagement surface, said driven lever being connected to a movable contact of the electrical switch for opening and closing the contact in accordance with the rotational movement of said driven lever, said driven lever being rotated when said actuating lever rotates and said second engagement surface of said actuating lever pushes said engagement surface of said driven lever, and a single common shaft for mounting thereon said drive lever, said actuating lever and said driven lever.



Compl. Specn. 15 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 42-A-[GROUP-XVI]
Int. Cl.⁴-A 24 D 1/10.

167099

A SMOKING ARTICLE.

Applicant : KIMBERLY-CLARK CORPORATION, OF 401, NORTH LAKE STREET, NEENAH, WISCONSIN 54956, UNITED STATES OF AMERICA, A U.S. COMPANY.

Inventor : DONALD F. DUROCHER.

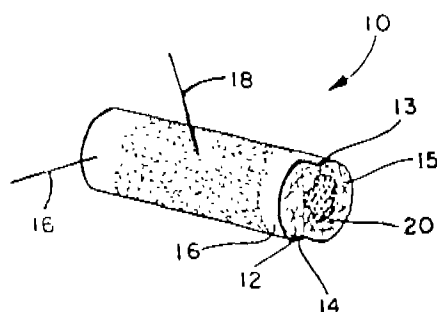
Application No. 972/Mas/86 filed on December 15, 1986.

Divisional to Patent No. 161765 (581/Mas/84); Ante-dated to August 7, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A smoking article comprising a tobacco column and a double wrapper construction, said wrapper construction comprising an inner base web that contains cellulose fibers and is nonburning under normal smoking conditions and an outer base web, said combination of inner base web and outer base web containing a plurality of zones treated with a known burn promoter in sufficient amount to cause said wrapper construction in use to maintain burn of said smoking article within said zones but said wrapper construction causing said smoking article to self-extinguish outside of said zones if not puffed, said inner base web having a BMI in the range of 0.1 cm⁻¹ to 4.0 cm⁻¹ and said outer base web having a BMI in the range of 2 cm⁻¹ to 40 cm⁻¹.



Compl. Specn. 22 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 172-A & F-[GROUP-XX].

167100

Int. Cl. : B 65 H 14/02.

AN APPARATUS FOR PRODUCING A BODY OF THREAD AND A METHOD OF PRODUCING THE SAME.

Applicant : RIETER MACHINE WORKS LIMITED, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) HEINZ MUTTER, (2) FELIX GRAF, (3) ARMIN WIRZ & (4) HANSJORG SOMMER.

Application No. 192/Mas/88 filed on March 24, 1988.

Divisional to Patent No. 163363 (937/Mas/84); Ante-dated to November 30, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An apparatus for producing a body of thread having a known degree of compactness comprising winding means for winding the thread from said body and sensor responsive to transfer of electrical charge from the thread located at a predetermined spacing relative to a curved thread path.

Compl. Specn. 27 Pages.

Drgs. 3 Sheets.

CLASS :

167101

Int. Cl. : B 23 p 15/28.

CUTTING TOOL.

Applicant : FRIED KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF A ITENDORFER STRASSE 103, D-4300 ESSEN 1, WEST GERMANY.

Inventors : (1) HENDRIKUS VAN DEN BERG, (2) UDO KONIG & (3) NORBERT REITER.

Application No. 468/Cal/87 filed on June 16, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A cutting tool, comprising a housing body having an edge on which is disposed a base coating composed of at least one of titanium carbide, titanium carbonitride and titanium nitride, the improvement comprising an outer cover layer of zirconium nitride on said coating,

2—G—217 GI/90.

the thickness of said outer cover layer amounting to from 1 to 10% of the thickness of said base casting.

Compl. Specn. 14 Pages.

Drgs. 2 Sheets.

CLASS : 107-C.

167102

Int. Cl. : F 02 f 1/00.

INTERNAL COMBUSTION ENGINE.

Applicant : SONEX RESEARCH, INC., 23 HUDSON STREET, ANNAPOLIS, MARYLAND 201401, UNITED STATES OF AMERICA.

Inventors : (1) ANDREW ALEXANDER & (2) DANIEL GEORGE FERER.

Application No. 507/Cal/87 filed on July 1, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

43 Claims

An internal combustion engine including a movable piston in a variable volume combustion chamber having an effective diametrical dimension D and defined in part by fixed walls and in part by a working face of the piston, intake and exhaust valve means for controlling flow of charge and exhaust products to and from the combustion chamber; and fuel and air supply means for preparing and supplying a charge to the combustion chamber; characterised in that the said combustion chamber is configured such that, at and closely proximate the minimum combustion chamber volume position of the piston, the combustion chamber is effectively temporarily divided in to an ignition chamber having a volume V_A and a resonating chamber having a volume V_B with a restricted connecting passageway means between said chambers, said passageway means having a length L measured along a line connecting V_A and V_B , an average transverse dimension g measured across its width approximately perpendicular to the length L , a cross-sectional area S at its transverse dimension g , and a volume V_p of $S \times L$; the ignition of each charge producing periodic combustion wave energy of frequency F_A which travels near the speed of sound C_A within said ignition chamber at approximately the autoignition temperature of the charge in said ignition chamber; said passageway dimensions g and L being arranged to quench flame propagation between V_A and V_B during substantially the time the piston is at and closely proximate its minimum volume position; said resonating chamber and passageway means arranged to constitute a helmholtz resonator having a resonant frequency F_B at the temperature extant in V_B while combustion is occurring in V_A with F_A and F_B being approximately equal to each other; the maximum linear dimensions of V_B and V_p being generally less than $\frac{1}{4}$ wavelength of F_B at the temperature extant in V_B during combustion in V_A ; said intake and exhaust valve means and said fuel and air supply means being arranged to establish a charge distribution in the combustion chamber such that, at the moment of ignition thereof, substantially all the fuel of the charge is in the ignition chamber and substantially only air with an insufficient amount of fuel to support work-producing combustion is in the resonating chamber; and the relationships between S , V_B and L being defined as :

$$V_B = \frac{SC_A^2}{(L + kg)(2\pi F_B)^2} \text{ cm}^3$$

where (using metric units) :

K is a Helmholtz correction factor numerically between .6 and .85;

L has a minimum dimension not exceeding the minimum dimension of g;

G is nominally initially determined by assuming that the transverse dimension g of the passageway is uniform along its width and is related to D in accordance with the formula :

$$g = .01072D + .1143 \text{ within the tolerance}$$

range of + .050 cm. and —.025 cm.; and

F_B equals K/D Hz, where K has a numerical value between 43,000 and 51,000.

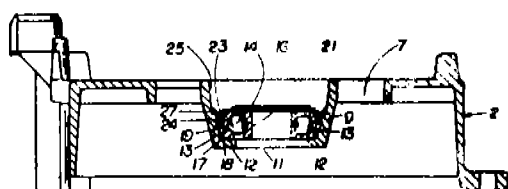


Fig. 2

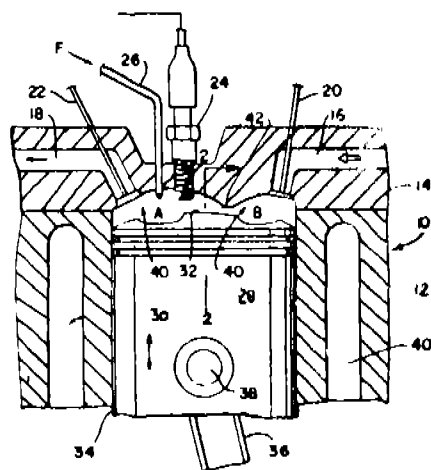


Fig. 1

Compl. Specn. 37 Pages.

Drgs. 6 Sheets.

CLASS : 55-E.
Int. Cl. A 61 k 7/16.

167103

PROCESS FOR THE PREPARATION OF A MOUTHWASH SOLUTION.

Applicant : SUOMEN CALCUSAN OY-FINSKA CALCUSAN AB, PL 121, 02101 ESPOO, FINLAND.

Inventors : (1) RISTO MATTI KOTILAINEN & (2) KAJ RAINER LILJUS.

Application No. 511/Cal/87 filed on July 1, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for the preparation of a mouthwash solution intended to prevent enrichment in the oral cavity on mucous membranes and dental surfaces of metals, particularly of heavy metals, characterized by adding an amount of from 1 to 10% of a water-soluble alkali metal or earth alkali metal salt or salts, particularly the Na, K, Mg or Ca salt, or their complex salt of an amino (carboxylic) acid, or acids such as herein described or a mixture of said salts, said salts forming with heavy metal ions such as herein described stable, water-soluble complex compounds in oral cavity conditions.

Compl. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS : 15-D.
Int. Cl. : F 16 c 33/00.

167104

IMPROVED BEARING RETAINER STRUCTURE.

Applicant : EMERSON ELECTRIC CO., OF 8100 W. FLORISANT, ST. LOUIS, MISSOURI 63136, UNITED STATES OF AMERICA.

Inventor : (1) BARRY MONROE NEWBERG.

Application No. 626/Cal/87 filed on August 11, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

An improved bearing retainer structure especially for mounting a bearing in an end assembly structure of an electric motor comprising :

a bearing hub, said hub having support means to support a bearing thereon;

an annular bearing mounted in said bearing hub with one face thereof resting on said support means of said hub to permit a shaft to be journaled therein, said bearing and said hub being sized relative to each other to provide a preselected space therebetween to eliminate the need for machining operations, and,

fastening means adapted to be inserted into pressfit relation between said hub and bearing in the space therebetween to retain said bearing firmly in position to absorb torsional, axial and radial thrusts of a shaft journaled in said being.

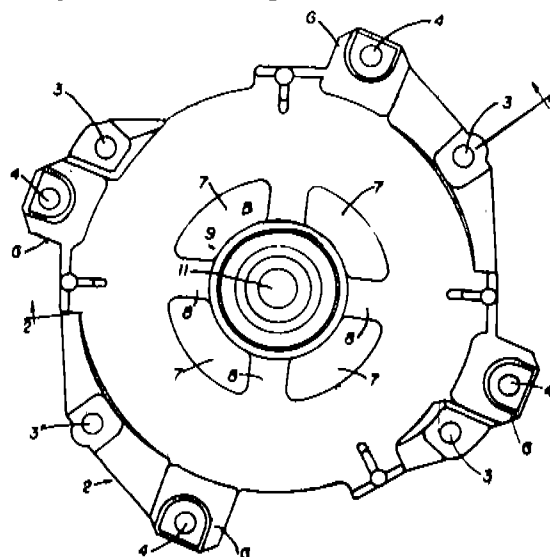


Fig. 1

Compl. Specn. 10 Pages.

Drgs. 2 Sheets.

CLASS : 58-A1.
Int. Cl. : E 06b 7/00.

167105

AN IMPROVED WINDOW CONSTRUCTION.

Applicant : P. H. TECH INCORPORATED, OF P.O. BOX 220, LEVIS, PQ G 6V 6N8, CANADA.

Inventors : (1) DALLAIRE RAYMOND. & (2) DALLAIRE DOMINIQUE.

Application No. 627/Cal/87 filed on August 11, 1987.

Convention dated 12th August, 1987; No. 8619620; U. K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

In a window construction comprising a sill, opposed jambs and at least one movable pane, the improvement comprising a water-stop in the form of a barrier located inwardly of said pane or panes relative to the orientation of said window construction in a wall opening and extending between said jambs and upwardly from said sill, said barrier inhibiting passage of water thereover and co-operating with said sill and said jambs to inhibit the passage of water through the respective junctions between said barrier and said sill and between said barrier and said jambs.

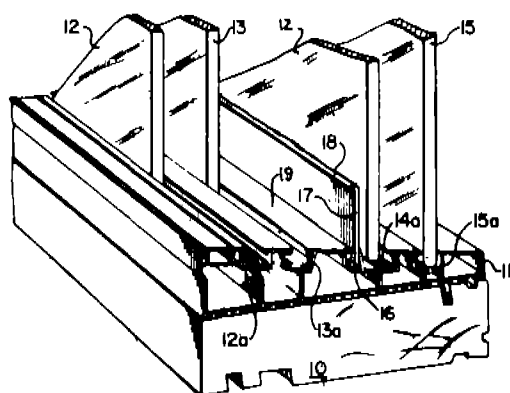


Fig. 2

Compl. Specn. 10 Pages.

Drgs. 2 Sheets.

Int. Cl. : B 65 d 6/00.

167106

FOLDING PACKAGING CASE.

Applicant : SOCIETE ANONYME DITE : KIPLIVIT, OF 96 BIS, RUE DE PARIS, 59200 TOURCOING, FRANCE.

Inventor : 1. ALAIN DELPLANQUE.

Application No. 644/Cal/87 filed on August 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A folding case for packaging purposes, such as the handling of products, which has a parallelepipedic configuration and comprises a bottom, and peripheral panels, namely a front panel, a back panel

and a pair of lateral panels, and a fold-down lid, said panels being pivotally assembled by means of flexible joints or hinge means, wherein said bottom is pivotally connected to at least one of said lateral panels and comprises a ledge along the periphery of said panels, said ledge being adapted to be engaged by, and to lock, the lower edges of said peripheral panels, and thus obtain the desired parallelepipedic configuration of the assembled case.

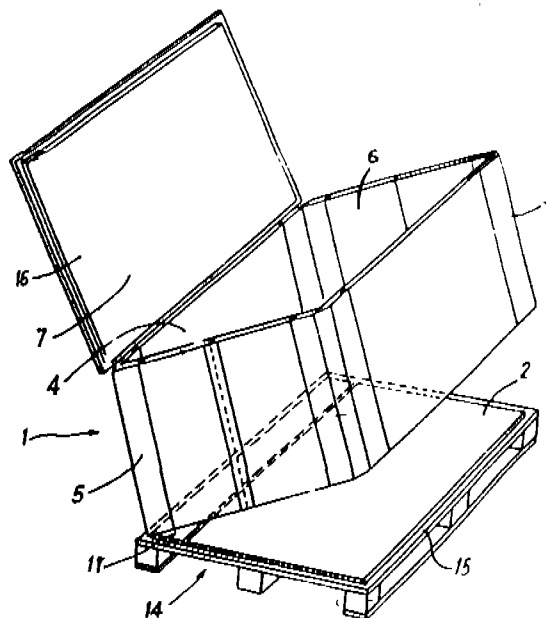


Fig. 6

Compl. Specn. 12 Pages.

Drgs. 3 Sheets.

CLASS : 152-E.
Int. Cl. : C 08 f 114/26.

167107

EXTRUSION-PROCESSABLE PASTE COMPRISING A HOMOPOLYMER OR A COPOLYMER OF TETRAFLUOROETHYLENE.

Applicant : AUSIMONT S.P.A. OF 31, FORO BUONAPARTE, MILLAN, ITALY.

Inventors : (1) VALERIO BLANCARDI & (2) LUIGI VALENTINI.

Application No. 676/Cal/87 filed on August 28, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

Extrusion-processable paste for manufacturing articles of continuous shape as described herein comprising a homopolymer or a copolymer of tetrafluoroethylene with comonomer amounts upto 0.5% by weight, an oil of paraffin or silicone oil as herein described, and graphite, prepared by blending, under stirring, an aqueous dispersion of the fluorinated polymer, in the form of a latex, with the oil, and eventually the graphite, then adding, under stirring, a coagulating liquid as described and then drying the so-obtained product wherein the fluorinated polymer is present in amounts comprised within the range of from 60 to 85% by weight, the oil is present in amounts comprised within the range of from 15 to 20% by weight, and the graphite amount is comprised within the range of from 0 to 20% by weight, and the latex comprises PTFE having a particle size of from 0.15 to 0.40 microns.

Compl. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS : 172-B, D₄, F.
Int. Cl. : D 01 g 25/00, 31/00.

167108

Application No. 692/Cal/87 filed on September 2, 1987.

LAP LEVELLER FOR A TEXTILE FIBER PROCESSING MACHINE

Applicant : TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82—92, D-4050, MONCHENGLADBACH 3, WEST GERMANY.

Inventors : (1) FERDINAND LEIFELD & (2) FRANZ JOSEF NOHR.

Application No. 690/Cal/87 filed on September 1, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

21 Claims

In an apparatus for levelling the thickness of a running fiber lap fed to a textile fiber processing machine, including a feed roller having a generally horizontal longitudinal axis and a feed table cooperating with the feed roller by defining therewith a nip through which the fiber lap passes; said feed table having a width extending parallel to said axis; a motor connected with the feed roller for rotating the feed roller; lap thickness measuring means including a sensor element cooperating with a surface of said feed roller and undergoing excursions in response to thickness variations of the fiber lap running between the feed roller and the sensor element; a control device connected to said measuring means for receiving, from said measuring means, signals representing said excursions; said control device being connected to said motor for applying rpm control signals thereto as a function of said thickness variations; the improvement wherein said sensor element is separate from, and is movable relative to, said feed table; said feed table having an aperture and said sensor element cooperating with said feed roller through said aperture.

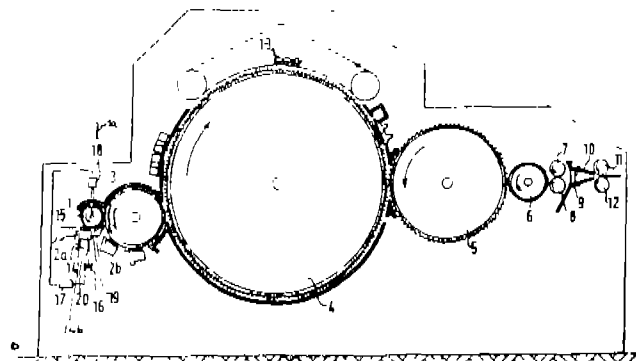


Fig. 1

Compl. Specn. 22 Pages.

Drgs. 5 Sheets.

CLASS : 133-A
Int. Cl. : H 02 p 5/00.

167109

A CONTROL DEVICE FOR AN ELECTRIC MOTOR.

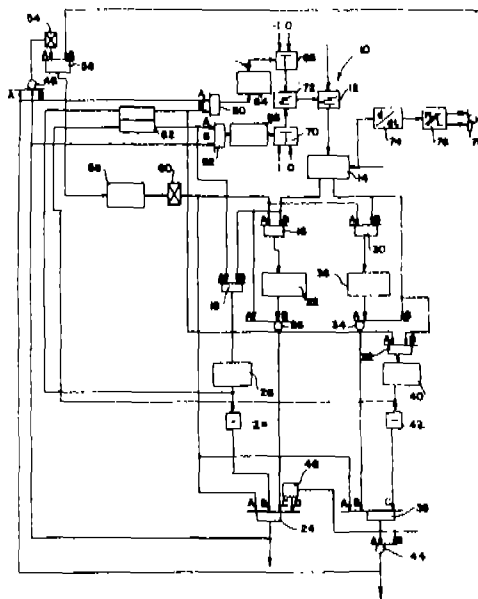
Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : (1) DONALD JOSEPH DZIUBAKOWSKI (2) ERIK PAUL KRISTOFFERSEN & (3) RONALD JAMES TEER.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A control device for an electric motor for close positioning or modulating control of a positioning device comprising means for comparing the actual position of the positioning device with the desired position of the positioning device, said comparing means producing an output signal when said actual position of the positioning device differs from said desired position of the positioning device by more than a predetermined value, and means responsive to said output signal produced by said comparing means, said output signal responsive means causing the positioning device to move toward said desired position if a first predetermined period of time has elapsed since the last movement of the positioning device and if a second predetermined period of time has elapsed if the last movement of the positioning device was in a direction opposite to that of said desired position of the positioning device.



Compl. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS : 119-B, D, F₃ & 4
Int. Cl. : D 03 d 41/00, 45/00 & 47/26.

167110

MULTI-FEED WEAVING MACHINE.

Applicant : LINDAUER DORNIER GESELLSCHAFT M.B.H. OF D-8990 LINDAU/BODENSEE, WEST GERMANY.

Inventors : (1) ADOLF LINKA, (2) FRANK LANTHALER & (3) HEINRICH FROMMELT.

Application No. 728/Cal/87 filed on September 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

Multi-feed weaving machine with a magnetic weft yarn carrier drive, comprising an endless guide path for the weft yarn carriers having at least one substantially straight section followed by at least one

curved section and being limited on one side, over at least part of the length of the straight section and across the fabric width, by a guide reed on which the weft yarn carriers are guided, the weft yarn carriers being coupled by permanent-magnetic means to individual drive segments which are provided in fixed relative arrangement side by side beside the guide path of the weft yarn carriers, for being moved in one direction, and which are connected to a common drive source, characterized in that the guide path for the weft yarn carriers (9) comprises in the curved area (15b) a correspondingly curved guide reed (32) consisting of a non-magnetic material, and that guide means (42) adapted to the curvature of the guide reed (32) are arranged outside the guide reed (32), at a predetermined radial distance beside the latter, and that each drive segment (16) supports a drive part (25) that can be moved transversely to the guide path that can be coupled magnetically to a guide yarn carrier (9), and which is biased elastically towards the guide reed (10) or the guide reed (32), said weft yarn resting against the guide reed (32) in the curved area (15b) while its opposite outside being supported by the guide means (32).

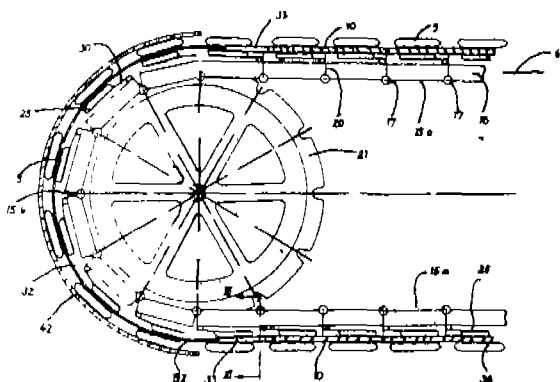


Fig. 2

Compl. Specn. 19 Pages.

Drgs. 4 Sheets.

Ind. Cl.: 98 I & 194 C.
Int. Cl.: H01L 15/02 & F24J 3/02.

167111

A METHOD OF MANUFACTURING A FILM OF $Hg_{1-x}Cd_xTe$ ON A CONDUCTIVE SUBSTRATE.

Applicants: SOHIO COMMERCIAL DEVELOPMENT COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING A PLACE OF BUSINESS AT MIDLAND BUILDING, CLEVELAND, OHIO-44115, U. S. A., AND BP PHOTOVOLTAICS, HAVING A PLACE OF BUSINESS AT BRITANNIC HOUSE, MOOR LANE, LONDON, ENGLAND.

Inventors: (1) BULENT MEHMET BASOL, (2) ERIC SHENG-FONG TSENG, (3) DENNIS SHIH-HAO LO.

Application No. 112/Del/85 filed on 12 Feb., 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A method of manufacturing a film of $Hg_{1-x}Cd_xTe$, with controlled Hg stoichiometry, on a conductive substrate such as herein described disposed in an electrolyte solution, as herein defined said solution containing a reference electrode, said conductive substrate as a cathode, and at least one anode, said at least one anode comprising tellurium, the manufacturing method comprising:

Preparing an electrolyte solution containing 0.1 molar to 1.5 molar Cd^{2+} ions, 10^{-3} molar to 10^{-2} molar Hg^{2+} ions in a concentration selected between 1 to 20 ppm and halide ions;

adjusting the pH of said electrolyte solution with an acid to between 1 and 3, and maintaining the molar ratio of halide ions to anions derived from the acid in the range from 0.01 to 0.06; and

adjusting the applied potential between said reference electrode and cathode and adjusting the Hg^{2+} ion concentration in the electrolyte so that a $Hg_{1-x}Cd_xTe$ compound with controlled stoichiometry is deposited on said cathode surface.

Compl. Specn. 20 Pages.

Drgs. 5 Sheets.

Ind. Cl.: 32B.
Int. Cl.: C07C 7/13.

167112

A PROCESS FOR SEPARATING OF 1,3-BUTADIENE FROM A FEED MIXTURE.

Applicant: UOP INC. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES III INOIS-60016, U. S. A.

Inventor: SANTI KULPRATHIPANJA.

Application No. 45/Del/1986 filed on 16 Jan., 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A Process for separating 1, 3-butadiene from a feed mixture comprising 1, 3-butadiene and at least one other C_4 hydrocarbon, which process comprises contacting the feed mixture in liquid phase at a temperature of from 20 to 250°C and a pressure sufficient to maintain liquid phase with an adsorbent comprising activated or molecular sieve carbon which selectively adsorbs said 1, 3-butadiene, removing in any known manner the unadsorbed portion of said feed from adsorbent and recovering said 1, 3-butadiene by desorption at the same range of temperature and pressure as used for adsorption with a liquid desorbent material comprising a hydrocarbon of the kind as herein described, said feed mixture and said desorbent material having boiling points of at least 5°C difference.

Compl. Specn. 22 Pages.

Drgs. 3 Sheets.

Ind. Cl.: 170 D.
Int. Cl.: C11D 1/66; 3/02.

167113

A FABRIC TREATING DETERGENT COMPOSITION.

Applicant: COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U. S. A.

Inventors: (1) TRAZOLLAH, OUHADI, (2) GUY BROZE, (3) LOUIS DEHAN, (4) DANIEL VAN DE GAER.

Application No. 140/Del/1986 filed on 20 Feb., 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

12 Claims

A Fabric treating Detergent Composition which comprises from 10% to 60% by weight of the total composition, a suspension of insoluble inorganic particles of the kind as here in described, from 30% to 70% by weight of a non-aqueous liquid of the kind as herein described, and from 0.1% to 3% by weight of an aluminium salt of a higher aliphatic carboxylic acid of the kind such as herein defined to increase the stability of the suspension.

Compl. Specn. 35 Pages

Ind. Cl. 206 E

167114

Int. Cl.⁴: G 06 F 7/00, 9/00

SELF CONFIGURING MEMORY CIRCUIT.

Applicant: DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, U. S. A., OF 146 MAIN STREET MAYNARD, MASSACHUSETTS-01754, UNITED STATES OF AMERICA.

Inventors: JESSE BARUKH LIPCON & BARRY ALAN MASKAS.

Application No. 374/Del/86 filed on 25 April, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A self-configuring memory circuit for a central processing system (11) generating address signals for said memory circuit, the memory circuit (35) comprising:

Interconnect means (19, 63) for transferring configuration signals from a plurality of separate memory module to the central processing unit serially through said modules, each of said modules receiving from said interconnect means one of said configuration signals and each providing to said interconnect means another one of said configuration signals;

each of said plurality of memory modules (61) being serially connected to said interconnect means at locations which are in increasing distance from the central processing unit (11) and each of said memory modules having one of a plurality of memory sizes and including means for receiving from said interconnect means one of said configuration signals as a prior configuration signal specifying a cumulative size of all of said memory modules more distant from the central processing unit along said interconnect means;

means for generating a size signal identifying the one of said plurality of memory sizes of the memory module, said size signal being composed of a second plurality of bits;

means for combining the size signal and the prior configuration signal to form a present configuration signal in compacted form being composed of a total number of bits no greater than the sum of said first and second pluralities of bits, said combining means having logic circuit elements coupled to receive the size signal and the prior configuration signal and generating a compacted present configuration signal, and

means for providing the compacted present configuration signal to said interconnect means; and interface means, coupled between the central processing unit and said interconnect means, for receiving the present configuration signal provided from the memory module least distant from the central processing unit for encoding and transferred present configuration signal with said address signal from said central processing unit to select ones of said memory modules for access by the central processing unit.

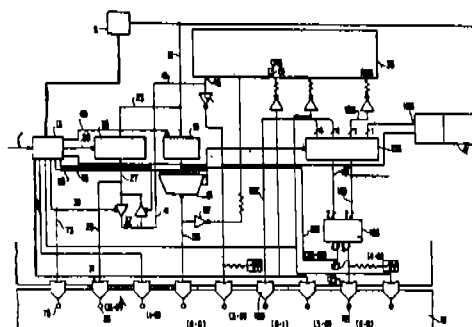


Fig. 1

Compl. Specn. 15 Pages

Drgs. 3 Sheets.

Ind. Cl. 63 : A 2

167115

Int. Cl. : H 02 K 17/00

AN ALTERNATOR FOR USE IN VEHICLES.

Applicant: SRF NIPPONDENSO LIMITED, 42, COMMUNITY CENTRE, NEW FRIENDS COLONY, NEW DELHI-110065, INDIA, AN INDIAN COMPANY.

Inventors: MADUR SRINIWASA VARADARAJAN & MASA-NORI INAGAKI.

Application No. 418/Del/86 filed on 8 May, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An alternator for use in a vehicle comprising a rotor mounted on a shaft which extends through one end of the housing of said alternator, a pulley mounted on said shaft for obtaining a drive from the motor of said vehicle, a slip ring mounted on said rotor shaft for receiving current from a carbon brush assembly, a stator carrying field coils said stator being connected to a rectifier and a regulator for providing a regulated direct current to a load; characterised in the ventilating means which comprises first fan mounted on the non-drive end of the shaft of the rotor to provide a radial and axial ventilation and a second fan mounted on the drive end of the shaft to provide a radial flow of air.

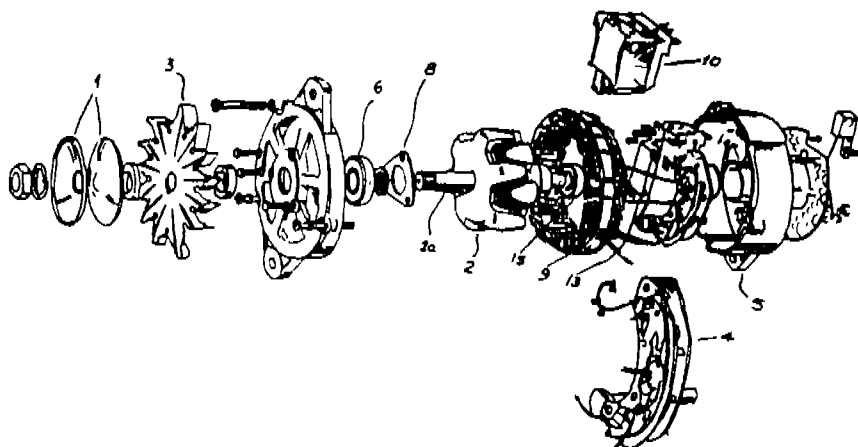


Fig. 1

Compl. Specn. 11 Pages

Drgs. 4 Sheets.

Ind. Cl. : 206 E.
Int. Cl.⁴ : H 05 K 13/00

167116

Ind. Cl. : 85 R & 108B1.-1
Int. Cl.⁴ : F27D 1/20.

167117

AN INTEGRATED CIRCUIT DEVICE HAVING AT LEAST ONE INTEGRATED HALL ELEMENT.

Applicant : LGZ LANDIS & GYR ZUG AG, A SWISS COMPANY, OF CH-6301 ZUG, SWITZERLAND.

Inventor : RADIVOJE POPOVIC

Application No. 435/Del/86 filed on 15 May, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

17 Claims

An integrated circuit device having at least one integrated Hall element (22) the Hall element (22) having a surface, an active zone (7) beneath the surface, at least two sensor connection (S_1 , S_2) contacts and at least two current connection contacts (C_1 , C'_1 ; C'_2) provided at the surface, and a depletion region (11) between the active zone (7) and the surface of the Hall element, (22) the depletion region (11) covering the active zone (7).

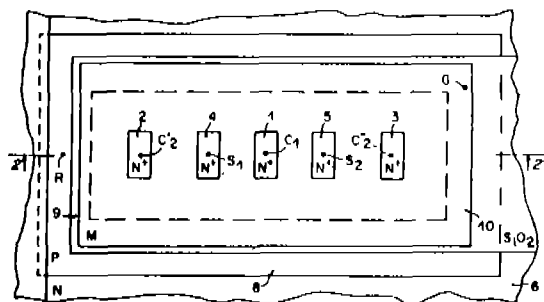


Fig. 1

Compl. Specn. 37 Pages

Drgs. 13 Sheets.

APPARATUS FOR CHARGING A SHAFT FURNACE.

Applicant : PAUL WURTH S. A., A COMPANY ORGANISED UNDER THE LAWS OF LUXEMBOURG, OF 32 RUE A' ALSACE, 1122 LUXEMBOURG, GRAND-DUCHY OF LUXEMBOURG.

Inventors : GILBERT BERNARD & EMILE BREDEN & EMILE LONARDI.

Application for Patent No. 469/Del/86 filed on 28th May, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

Apparatus for charging a shaft furnace (10) comprising a rotary or oscillating distribution spout (12) provided in the mouth of the furnace for distributing the material over the charging surface of the furnace, one or more hoppers (18) for the storage of the material above the furnace, each provided with a dosing valve (22) serving to regulate the flow of charging material from the discharge orifice of said hopper to the spout, said hopper being supported through a weighing device (20) to determine the weight of the contents of the hoppers, and a hydraulic cylinder (24) to actuate the dosing valve of said dosing device, a position detector (26) provided on said dosing valve to determine the real position of the dosing valve, said position detector (26) being connected to a computer (32) receiving the signals from the weighing device (32), a control unit (34) connected to said computer and to a hydraulic gate controlling said hydraulic gate (28), said hydraulic gate being connected to said hydraulic cylinder for regulating the operation of said hydraulic cylinder.

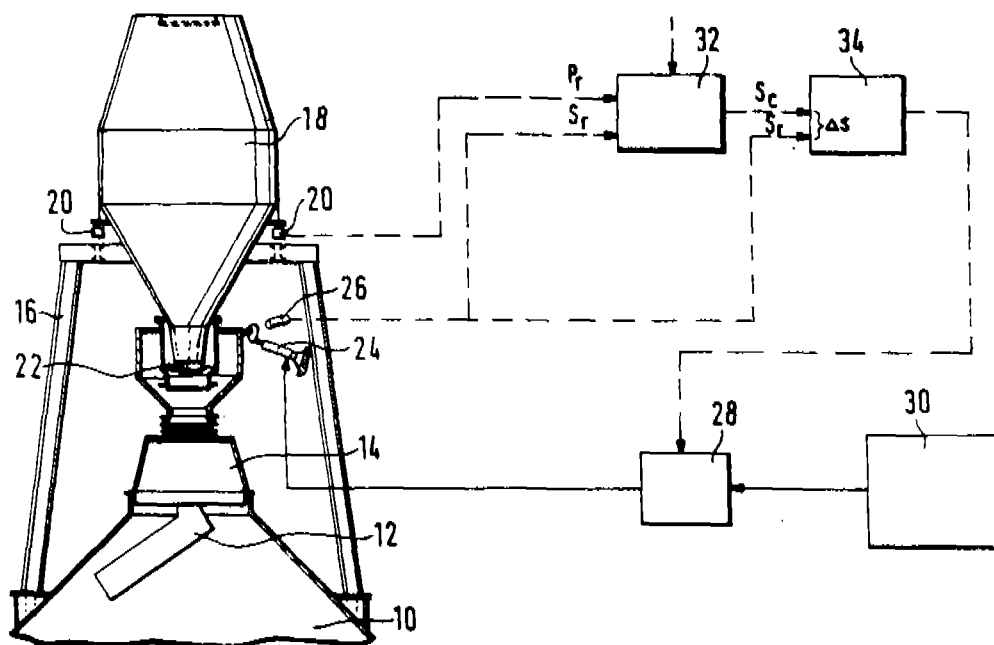


Fig. 4

Compl. Specn. 12 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 29 D & 206 E.
Int. Cl. : H01H-67/00.

167118

AN APPARATUS FOR SENSING SPATIAL COORDINATES OF AN OBJECT WITH RESPECT TO A SURFACE.

Applicant: INTERAND CORPORATION, A DELAWARE CORPORATION OF 666 NORTH SHORE DRIVE, CHICAGO, ILLINOIS-60611, UNITED STATES OF AMERICA.

Inventors: LEONARD REIFFEL & WAYNE DOUGLAS JUNG.

Application No. 904/Del/1986 filed on 13th Oct., 1986.

Divisional to Application for Patent No. 148/DEL/84, filed on 20th Feb., 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

An apparatus for determining the spatial coordinates of an object with respect to a surface, the apparatus comprising:

At least one conductive surface means (10, 12),

at least one energizing means (24, 26) connected to said conductive surface means (10, 12) for energizing said at least one conductive surface means (10, 12),

a plurality of reference means (28) connected to said energizing means (24, 26),

Distinguishing means (4) connected to said reference means (24, 28) for distinguishing each of said reference (24, 28) means, probe means (14) connected to said distinguishing means for providing a signal corresponding to the reference means (28) as distinguished by said distinguishing means and to the location of said probe means (14) in relationship to said conductive surface means (10, 12),

signal processing means (16, 18) being connected and responsive to the signal provided by said probe means (14) and to said energizing means for producing an output signal uniquely representative of the location of said probe means (14) respect to said conductive surface means.

Compl. Specn. 34 Pages

Drgs. 4 Sheets.

Ind. Cl. : 40 B.
Int. Cl.⁴ : B 01 J 20/16.

167119

PROCESS FOR THE PREPARATION OF CRYSTALLINE PHOSPHO-ALUMINO-SILICATE CATALYSTS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: (1) PAUL RATNASAMY, (2) SUNEETA BALWANT KULKARNI, (3) KANCHAN RAMCHANDRA KAMBLE & (4) SOORYAKANT GANESH HEGDE.

Application for Patent No. 935/Del/86 filed on 23rd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A process for the preparation of a crystalline phospho-aluminium-silicate which comprises forming a reaction mixture having the composition expressed in term of molar oxide ratio of



where 'R' is an organic templating agent, 'X' has a value in the range of (0 to 3), 'Y' has a value of from (50 to 200), a, b & c represent the mole fractions respectively of silicon, aluminium and phosphorous in the $(Si_x Al_y P_z)O_2$ constituent and fall respectively in the range (0.01 to 0.4), (0.01 to 0.98) and (0.01 to 0.90) by mixing a source of alumina, silica and phosphate and templating agent, such as herein described, heating the mixture at a temperature ranging from 100°C—250°C for a period as herein described under autogenous pressure, thereafter quenching, centrifuging, washing with deionised water and drying the resultant reaction product.

Compl. Specn. 24 Pages.

Ind. Cl. : 32 F 2 a.
Int. Cl.⁴ : C 07 C 87/50.

167120

PROCESS FOR SEPARATING ISOMERS OF TOLUENE-DIAMINE.

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 20 UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventors : HERMANN ALBERT ZINNEN.

Application for Patent No. 1097/Del/86 filed on 15th Dec., 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A process for separating a feed mixture comprising 2, 4-toluenediamine and 2, 6-toluenediamine, said process comprising contacting said mixture at adsorption conditions with an adsorbent comprising an X type zeolite, cation exchanged with a cation selected from the group Ni, Ca, Ba, K and Na, or a Y type zeolite exchanged with a cation selected from the group Ca and Ni cations or an L type zeolite exchanged with a K cation, thereby selectively adsorbing one of said toluene diamine isomers, removing the remainder of said mixture from said adsorbent, and then recovering said adsorbed toluenediamine isomer by contacting the adsorbent at desorption conditions with a desorbent material comprising a lower alcohol or an amine.

Compl. Specn. 27 Pages.

Drgs. 5 Sheets.

Ind. Cl. : 48-A-[GROUP-LVIII(3)].
Int. Cl.⁴ B 29 C 65/26.

167121

CABLE BRANCH-OFF SEALING MEMBER.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, SAINT PAUL, MINNESOTA 55144, UNITED STATES OF AMERICA.

3—G—217 GI/90.

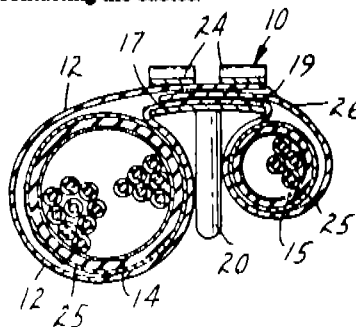
Inventors : (1) JAMES HIRAM BALL & (2) MARK DAVID SORLIEN.

Application No. 107/Mas/86 filed on February 17, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A cable branch-off sealing member (10) for use with a heat shrinkable sheet material (12) having a hot melt adhesive on one surface and being wrapped around two closely spaced parallel cables (14, 15) with the adhesive surface facing the cables, one end of the sheet material being pinched together between the cables to one side of the cables, along a line tangent to the periphery of the cables, to create a loop (19) of heat shrinkable material between the cables, which cable sealing member holds the two layers of sheet material together while the sheet material is heated and shrunk to create a water proof seal around the cables, comprising an elongate tongue (17) smoothly tapered at its leading end for insertion into the loop of heat shrinkable sheet material, said tongue having a width greater than the spacing between the cables to bridge between the peripheries of the cables and being bowed centrally of its width along its length to cause the two layers of heat shrink material to bow outward midway between the cables, and a narrow of its width and extending perpendicular to the length of said tongue to extend into the space between the cables to maintain the spacing between the cables and to keep said tongue centered between the cables as the heat shrinkable material is heated and shrunk, said tail being formed along an axis parallel to its length with smooth surfaces for contacting the cables.



Compl. Specn. 10 Pages.

Drgs. 1 Sheet
(of size 33.00 cms. by 41.00 cms.)

Ind. Cl. : 5-B-[I(1)].
Int. Cl.⁴ : F 16 L 11/04.

167122

A TUBING STRUCTURE FOR DRIP IRRIGATION AND A METHOD OF MAKING THE SAME.

Applicant & Inventor : JAMES C. ROBERTS, A CITIZEN OF U.S.A., OF 1860 JEFFREY AVENUE, ESCONDIDO, CALIFORNIA 92027, U.S.A.

Application No. 127/Mas/86 filed on February 24, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

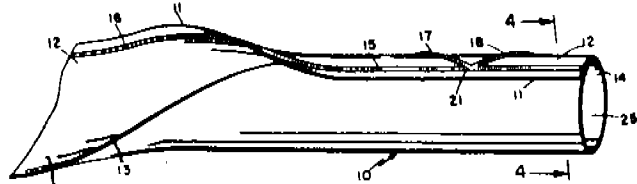
A tubing structure for drip irrigation which comprises :

a strip of flexible material having a first edge portion and a second edge portion, the first edge portion being shaped to define a groove that extends lengthwise along the strip, the strip being folded

lengthwise with the first edge portion and the second edge portion overlapping to form a first conduit, and the first edge portion and the second edge portion being joined together along opposite sides of the groove to form a seam in which the groove defined a secondary conduit;

inlet means for maintaining fluid communications between the first conduit and the secondary conduit of a series of spaced apart locations along the secondary conduit; and

outlet means for maintaining fluid communications between the secondary conduit and a series of spaced apart locations along the exterior of the tubing structure.



Compl. Specn. 21 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 98-C-[GROUP-VII(2)].
Int. Cl.⁴ : F 22 B 23/00; F 24 H 1/00.

167123

MULTIPURPOSE STEAM GENERATOR-CUM-GEYSER.

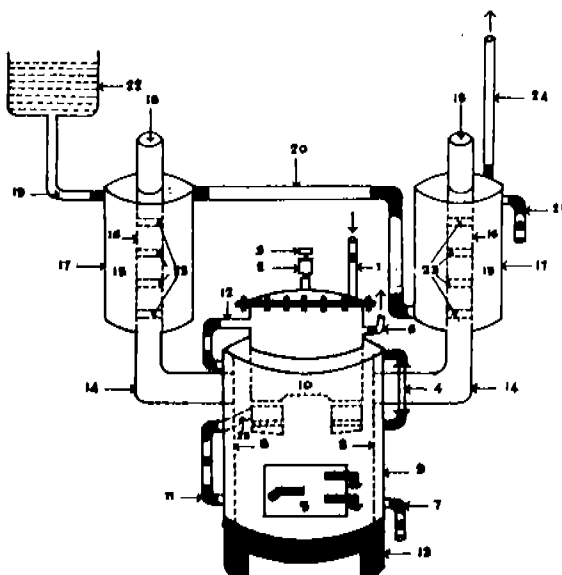
Applicant & Inventor : PONNUSWAMY RAVINDRA KUMAR, OF 63, T.V.K. NAGAR, PARAMBUR, MADRAS-600 011, INDIA, A CITIZEN OF INDIA.

Application No. 475/Maa/86 filed on June 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A multipurpose steam generator-cum-geyser comprising a water heating vessel (10) for generating steam provided with a safety valve (2), steam outlet (6) and water inlet (1); a double wall outer jacket (8, 9) enclosing the said water heating vessel (10) to form a heating chamber with a fuel charging door (5), the double wall jacket being connected to the heating vessel through a pipe (25), a water level indicator (4) for monitoring the water level in the heating vessel, means for heating the said heating vessel, with conventional fuels, two flame vents (14) connected to the said heating chamber, the flame vents being provided with two interconnected water jackets (17) with a water inlet (19) connected to one and water outlet (21) connected to the other to provide steam and hot water simultaneously.



Compl. Specn. 5 Pages.

Drg. 1 Sheet.

Ind. Class : 113-C-[XXX(4)]
Int. Cl.⁴ : H01K 5/02

167124

TUBULAR DOUBLE FILAMENT G L S INCANDESCENT ELECTRIC LAMP.

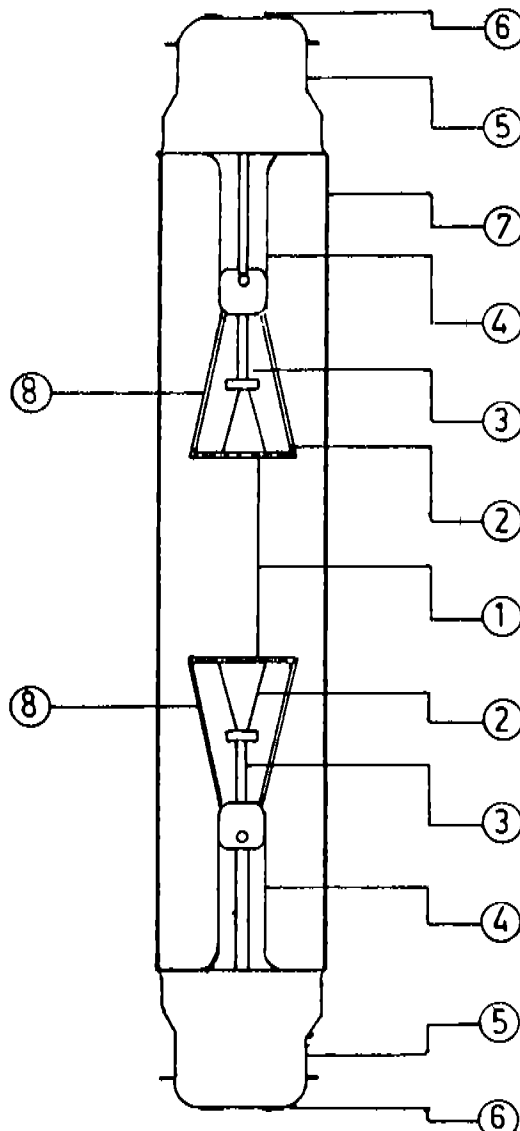
Applicant & Inventor: MOHAMMED IQBAL, (INDIAN NATIONAL), RESIDING AT 501, SRT SANATHNAGAR COLONY, HYDERABAD-500 018, A. P..

Application No. 64/Maa/87 filed on February 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

Tubular double filament GLS incandescent electric lamp with wattage capacity ranging from 5 to 100 watts, and 100 to 270 Volts comprising a tubular glass shell fitted at both ends with an independent light assembly consisting of filament-cum-leadwire-cum lamp cap-cum-eyeclets wherein the filaments are of different wattage for varying requirements of illumination.



Compl. Specn. 5 Pages

Drg. 1 Sheet.

Ind. Class : 128-G&K-[GROUP-XIX(2)]

167125

Int. Cl.⁴ : A 61 F 9/00

A 61 B 19/00

AN ADAPTER FOR THE PROBE OF A CRYOSURGICAL UNIT FOR USE IN CATARACT OPERATION OF THE EYE

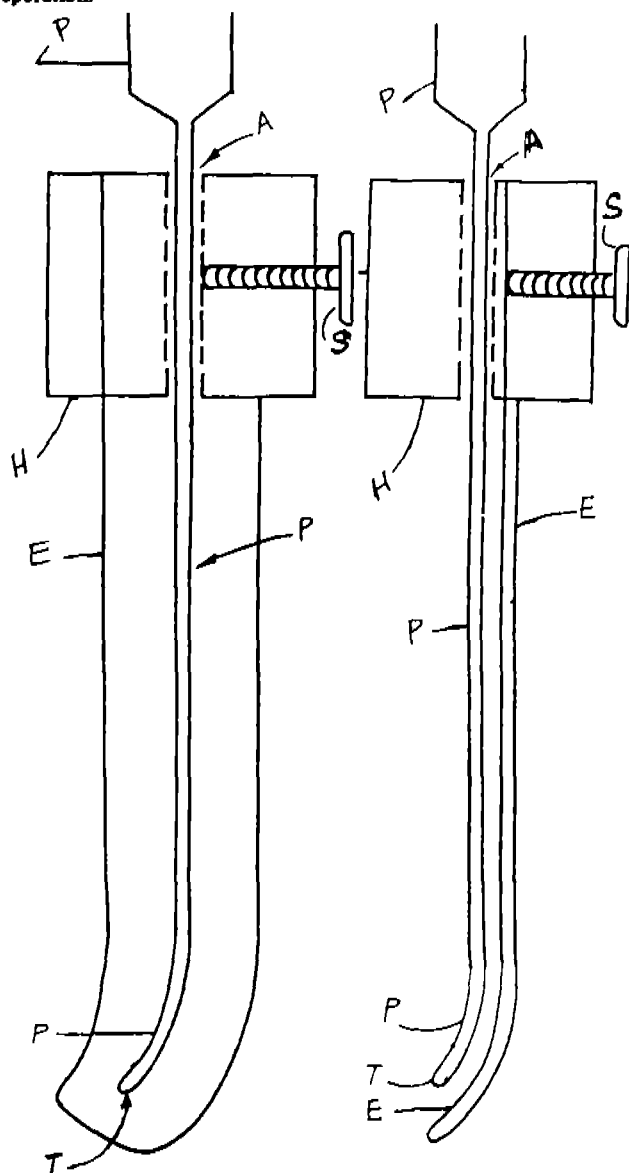
Applicant & Inventor : JOTHI ABRAHAM MUTHIAH PANDIAN, OF JOTHI EYE CLINIC, ABRAHAM PANDITHAR ROAD, THANJAVUR-613 001, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 201/Maa/87 filed on March 19, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

An adapter for the probe of a cryosurgical unit for use in cataract operation of the eye, comprising clamping means for being mounted on the probe and clamped securely thereto, the body of said clamping means being provided with a shield fixed thereto, the shield extending along and slightly beyond the length of the probe, spaced substantially in parallel relationship therefrom but adjacent thereto, the shield thus serving as a separator between the probe on the one hand and the corneal flap and the iris on the other, during the said operation.



Compl. Specn. 8 Pages.

Drgs. 2 Sheets.

Ind. Class : 101-F-[GROUP-XXVIII (2)]

167126

Int. Cl.⁴ : F 15 B 21/12**AN OSCILLATING WATER COLUMN ABSORBING WAVE-MAKER.**

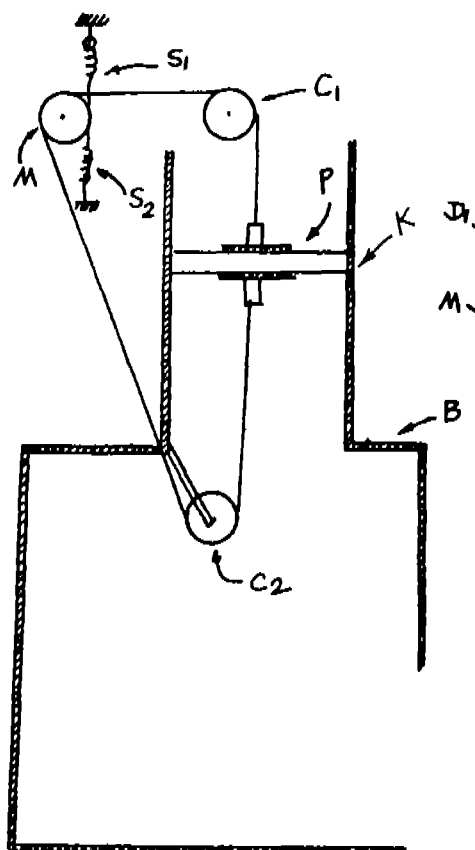
Applicant & Inventor : UMESH KORDE, 704, EKUSERU TOYOCHO, 1-19-1, MINAMI SUNA, KOTO KU, TOKYO 136, JAPAN, INDIAN NATIONAL.

Application No. 243/Maa/87 filed on April 3, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

An oscillating water column absorbing wavemaker comprising a chamber disposable in a wave tank so as to be partially submerged therein, with one side of the chamber open to the water in the tank; a cylinder surmounting the chamber and opening out thereinto, the cylinder having a reciprocating piston coupled to a servo motor; means for supplying an input signal to the motor to drive the same and thence the piston reciprocatingly within the cylinder, to create an oscillating excitation of the air in the chamber above the level of water therein, to make waves; and means for measuring the pressure in the chamber and the velocity of the piston, said means being coupled to a feedback circuit for modifying the input signal in accordance with the said pressure and velocity, and thus maintain a constant energy output from the wavemaker.



Compl. Specn. 8 Pages.

Drg. 1 Sheet.

Ind. Class : 146-D1-[GROUP-XXXVIII(2)]

167127

Int. Cl.⁴ : G 02 B 25/02**ON OPTICAL MAGNIFIER FOR THE VISUALLY HANDICAPPED**

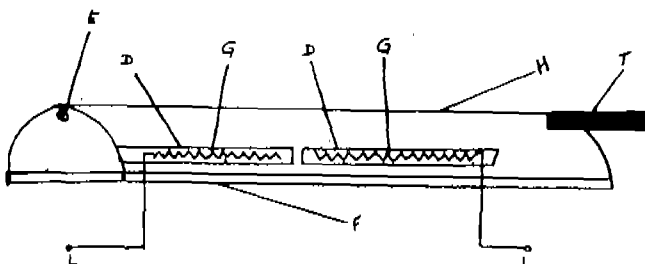
Applicant & Inventor : JOTHI ABRAHAM MUTHIAH PANDIAN, OF JOTHI EYE CLINIC, ABRAHAM PANDITHAR ROAD, THANJAVUR-613 001, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 489/Maa/87 filed on July 9, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An optical magnifier for the visually handicapped comprising a transparent housing, a portion of which is provided with a flat surface for resting on material carrying written or graphic matter thereon, the housing being fully occupied by a transparent liquid, the said liquid being sealed within the housing; one or more electric illumination means disposed in one or more holders attached to the housing for illuminating the said material; and a handle fixed to the housing for manually moving the said flat surface of the housing along and over the said material.



Compl. Specn. 9 Pages.

Drgs. 5 Sheets.

Ind. Class : 158-A & D-[GROUP-LII(2)]
Int. Cl.⁴ : B 65 G 67/48.

167128

AN OPEN-SIDED RAIL CAR TIPPLER.

Applicant : DRG (UK) LIMITED, OF 1, REDCLIFFE STREET, BRISTOL BS 88 7 QY, ENGLAND, A BRITISH COMPANY.

Inventor : PAUL JOHN DOWDEN.

Application No. 180/Maa/88 filed on March 21, 1988.

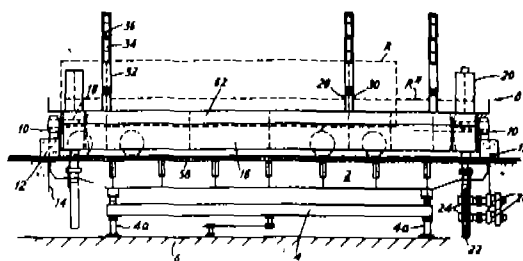
Convention date : November 28, 1983 (No. 83.31736; Great Britain)

Divisional to Patent No. 163204 (925/Maa/84) Ante-dated to November 27, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

An open-sided rail car tippler comprising a platform provided with rails for a rail car and disposed in a tipping structure mounted at its opposite ends on respective pivot mountings defining a longitudinal pivot axis for tipping discharge of a rail car on the platform, the tipping axis defined by said mounting being laterally offset from the rail car platform and being so located that a plane containing it and passing through the plane of the platform rails at its intersection with a vertical from the further lateral edge of the platform subtends an angle from the horizontal less than 30°.



Compl. Specn. 14 Pages.

Drgs. 3 Sheets.

Ind. Class : 158-A & D-[GROUP-LII (2)]
Int. Cl.⁴ : B65G 67/48

167129

RAIL CAR TIPPLER INSTALLATIONS.

Applicant : DRG (UK) LIMITED, OF 1 REDCLIFFE STREET, BRISTOL-BS 88 7 QY, ENGLAND, A BRITISH COMPANY.

Inventor : PAUL JOHN DOWDEN.

Application No. 181/Maa/88 filed on March 21, 1988.

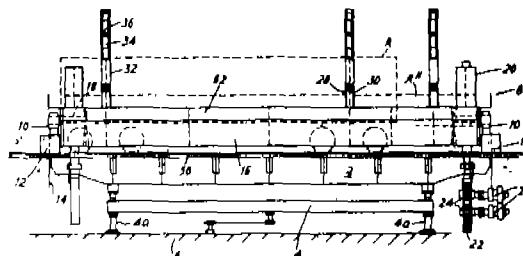
Divisional to Patent No. 163204 (925/MAS/84); Ante-dated to November 27, 1984.

Convention date 28-11-1983, No. 83.31738, U. K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A rail car tippler installation comprising one or more open-sided rail car tipplers having a rail car platform disposed in a tippler structure supported at longitudinally opposite ends on pivot mountings that define a tipping axis for the said structure laterally offset from said platform, and a hopper for the contents of a tipped rail car on said structure disposed to the opposite side of said tipping axis to that of the rail car platform when at rest, the hopper having an entry opening extending longitudinally of the tippler as far as said pivot mountings.



Compl. Specn. 15 Pages.

Drgs. 3 Sheets.

Ind. Class : 158-A & D-[GROUP-LII(2)]
Int. Cl.⁴ : B65G 67/48

167130

AN OPEN-SIDED RAIL CAR TIPPLER HAVING A RAIL CAR PLATFORM.

Applicant : DRG (UK) LIMITED, OF 1 REDCLIFFE STREET, BRISTOL BS88 7 QY, ENGLAND, A BRITISH COMPANY.

Inventor : PAUL JOHN DOWDEN.

Application No. 182/Mas/88 filed on March 21, 1988.

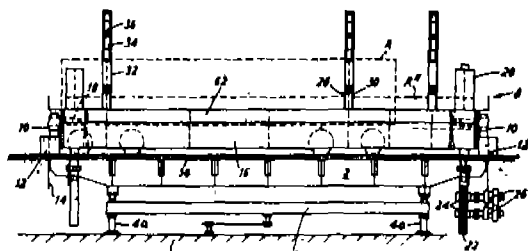
Divisional to Patent No. 163204 (925/Mas/84); Ante-dated to November 27, 1984.

Convention date : November 28, 1983; (No. 83.31736; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An open-sided rail car tippler having a rail car platform disposed in a tipping structure mounted at its opposite ends on respective pivot mountings for tipping the platform with a rail car on it, said tipping structure comprising a main beam extending between said pivot mountings, top clamping means on said structure for holding the rail car on the platform when it is tipped comprising a plurality of top clamping beams mounted on the main beam to be pivotable thereon about an axis parallel to the tipping axis, and the rail car platform substantially spanning the distance between said end pivot mountings.



Compl. Specn. 14 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 29-D [XLI(2)], 206-E [LXII].
Int. Cl. : G06F-15/00.

167131

AN APPARATUS FOR DETERMINING NEW STATUS SIGNALS IN A DATA PROCESSING SYSTEM.

Applicant: HONEYWELL BULL INC. A CORPORATION INCORPORATED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS OFFICE AT MINNEAPOLIS, MINNESOTA-55431, UNITED STATES OF AMERICA.

Inventors: (1) VICTOR MIGUEL MORGANTI & (2) JAMES BLAINE GEYER.

Application No. 185/Bom/1987 filed on 12 June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

1 Claim

In a data processing system in which each of a plurality of memory locations has a plurality of status signals associated therewith, apparatus for determining new status signals resulting from applying replacement algorithm to said status signals, said apparatus comprising an instruction register for implementing said algorithm said instruction including a new status signal table therein; a first storage unit for storing said status signals in response to said instruction; a second storage unit for storing said new status signals table in response to said instruction; and the said first and said second storage

units are coupled to the addressing apparatus and responsive to said instruction, said addressing apparatus applying said stored status signals to said second storage unit to address an entry in said new status signal table.

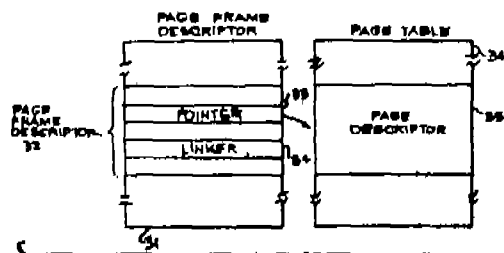


Fig. 3A

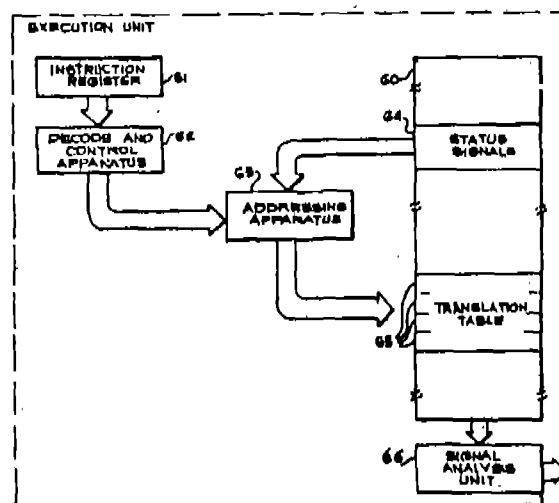


Fig.6

Compl. Specn. 13 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 141[XXXII] (8)
Int. Cl. : C 22 B-1/16.

167132

METHOD FOR MANUFACTURING AGGLOMERATES OF FIRED PELLETS.

Applicants : NIPPON KOKAN KABUSHIKI KAISHA, 1-2, 1-CHOME, MARUNOUCHI CHYODA-KU, TOKYO, JAPAN.

Inventors : (1) NOBORU SAKAMOTO, (2) HIDETOSHI NODA & (3) HIDEOMI YANAKA.

Application No. 357/Bom/1987 filed on Dec. 8, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

12 Claims

A method for manufacturing agglomerates of fired pellets comprising the steps of :

- (i) the first pelletization, of adding and mixing fluxes and optionally binders to and with fine iron ores containing 30 to 95 wt. % of 0.125 mm or less fine iron ore in particle size, to form a mixture and to pelletize the mixture into green pellets;

- (ii) the second pelletization, of adding powder cokes containing 20 to 100 wt. % of 1 mm or less powder cokes in partic size, to the green pellets, in amount of 2.5 to 4.0 wt. % to the fine iron ore, to prepare, through pelletization, the green pellets coated with the powder cokes; and
- (iii) sintering, of charging the green pellets coated with the powder cokes into a grate type sintering machine.

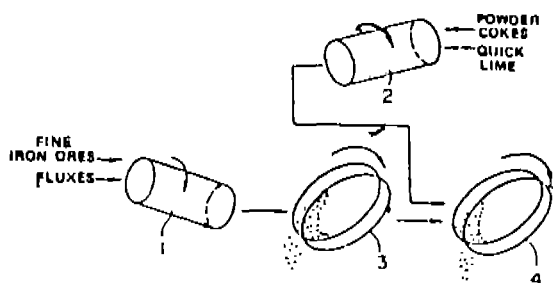


Fig. 18

Compl. Specn. 69 Pages.

Drgs. 9 Sheets.

Ind. Cl. : 129 Q [XXXV]
Int. Cl. : B 23 K-35/22.

167133

METHOD OF MANUFACTURING A FUSED HARD FACING ROD/ELECTRODE FOR HARD FACING APPLICATIONS.

Applicants : SANDVIK ASIA LTD. BOMBAY, PUNE ROAD, PUNE-411 012, MAHARASHTRA, INDIA.

Inventors : (1) DHANANJAY MORESHWAR DEO (2) DR. SANJAY BASU & (3) DR. JOGENDRA PRAKASH SAXENA.

Application No. 48/Bom/1988 filed on March 1, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

4 Claims

Method of manufacturing the fused hard facing rod/electrode for hard facing applications comprising the following steps :

- (i) Selecting the ingredients 20 to 50% by weight of cast iron, 25—50% by weight of tungsten metal and 25—50% by weight of tungsten carbide.
- (ii) Milling the above ingredients together in a ball mill or the like preferably with the aid of milling media like alcohol and/or carbide cylpebs.
- (iii) Drying the mixture in an oven at 70° to 90°C temperature to evaporate the alcohol.
- (iv) Crushing and homogenising the dried powder cakes preferably in a double cone blender to get a blended homogeneous mixture.
- (v) Filling the blended mixture in the low carbon steel tubes of desired length and diameter suitably coated by phosphating or copper plating according to the process of deposition, i.e. by gas welding arc welding, having one end initially closed by pinching or plugging manually or with the help of vibratory filling device to ensure uniform and dense/compact filling and closing the other end also by pinching or plugging.
- (vi) Presintering/Heat-treating/diffusion bonding of the filled tubes at temperatures between 800—1000°C in a furnace having controlled atmosphere such as Hydrogen gas or vacuum to obtain fused homogeneous mass/mixture inside the tube.

- (vii) Coating the copper plated rods by welding fluxes to make it suitable for arc welding deposition.

Compl. Specn. 13 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 179 E, G [XL (6)]
Int. Cl. : B 65 D-41/00 & 47/00.

167134

AN IMPROVED CLOSURE WITH COLLAPSABLE SPOUT HAVING FOUR PILFER RESISTANT SEALS AND ANTI-SPILL MEANS FOR CONTAINER ORIFICE/NECK RING AND THE LIKE.

Applicants : PRECISION MOULDINGS PVT. LTD.; G-43, VENUS APARTMENTS, WORLI SEA FACE, BOMBAY-400 018, MAHARASHTRA, INDIA.

Inventor : GEORGE THEVTUNDYL KOSHI.

Application No. 99/Bom/1988, filed on Apr. 15, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

An improved closure with collapsible spout having four pilfer resistant seals and anti-spill means for container orifice/neck ring and the like comprising a fixed closure plug (having a top flange with an integrally formed skirt and a pilfer resistant sealing band linked thereto with the help of plurality of spaced lugs forming first pilfer resistant seal, said skirt having a grooved ring and a projecting lock ring there below and the inner wall adjacent to said lock ring is integral with bottom end of collapsible/foldable spout and the upper end of said spout being closed by a shearable diaphragm having a hingeably attached ring on its one side forming second pilfer resistant seal, said spout having a threaded means for fixing thereto a screw cap provided with a hingeably attached round sealing band with shearable retaining lugs forming third pilfer resistant seal, a plurality of spaced apart notches provided at neck of said spout being engaged with plurality of matching spaced apart teeth provided in said screw cap forming fourth pilfer resistant seal and the skirt of said closure plug being extended downwardly and being provided with plurality of spaced apart inverted V-slots forming anti-spill means for said closure.

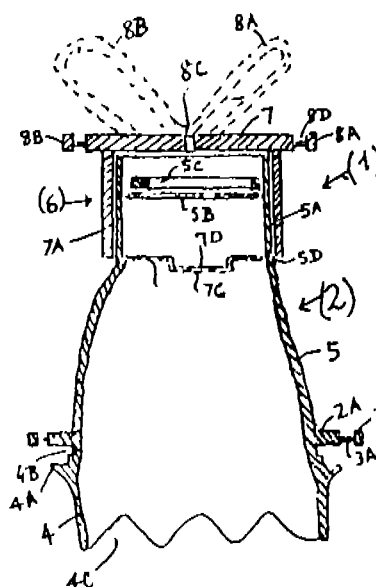


Fig. 1

Compl Specn. 6 Pages.

Drg. 1 Sheet.

Ind. Cl. : 70 C₄ [VIII (5)]; 173 B [XXIX(2)].
Int. Cl. : C 25 D-9/00.

167135

A DEVICE FOR CONTINUOUS ELECTROSTATIC DEPOSITION OF POWDER PAINT.

Applicants : STATFIELD EQUIPMENTS PVT. LTD., A-54/55, 'H' BLOCK, MIDC, PIMPRI, PUNE-411 018, MAHARASHTRA STATE, INDIA.

Inventors : (1) YASHWANT GOPAL GHAIAS & (2) KIRAN ANANT JOSHI.

Application No. : 106/Bom/1988 filed on April 25, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

1 Claim

A device for continuous electrostatic deposition of powder paint over articles to be powder coated comprising a closed chamber having at its upper level a conveyor driven by a prime mover, the said conveyor forming a loop to return to original position characterised in that a powder coating module is provided at the centre of the loop, the said module comprising a vertical spindle having a hopper at the top for holding powder paint a rotating feeder is provided at the base of the hopper having flutes for the powder to trickle down, the said vertical spindle is provided with bearings and insulating cover at the top while at the lower level a conductive disc to act as electrode is provided, the said spindle continues down and to which auxiliary electrodes in the form of spikes are provided the said auxiliary electrodes are provided with bearings and insulated shafts and an insulating support, the said spindle is rotated by other motor placed at lower level.

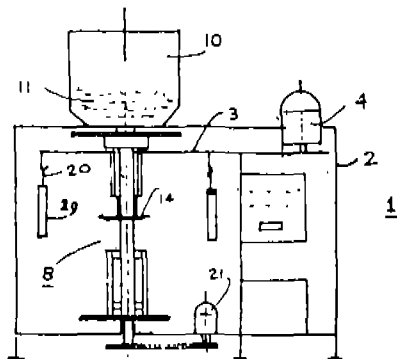


Fig. 1

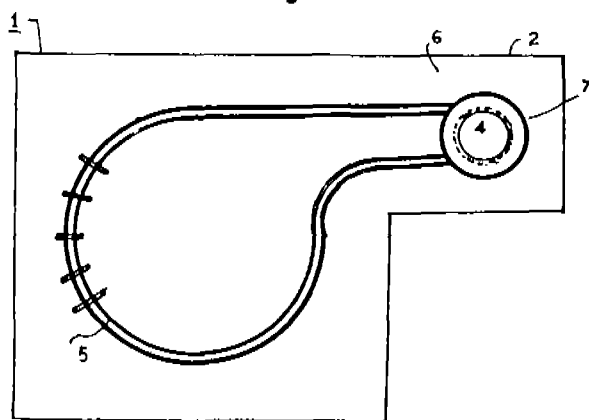


Fig. 2

Compl. Specn. 6 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 32 F 3 (d) [IX(1)] 55 E 4 [XIX (1)].
Int. Cl. : C 07 J 75/00.

167136

A PROCESS FOR THE PREPARATION OF PHARMACOLOGICALLY ACTIVE SYNTHETIC Z AND E STEREOISOMERIC MIXTURE OF GUGGLSTERONES.

Applicants : CIPLA LTD., 289 BELLASIS ROAD, BOMBAY CENTRAL, BOMBAY-400 008, MAHARASHTRA, INDIA.

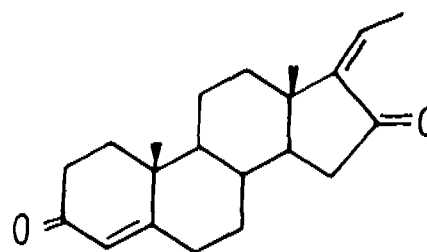
Inventor : DR. YUSUF KHWAJA HAMIED.

Application No. 120/Bom/1988 filed on May 4, 1988.

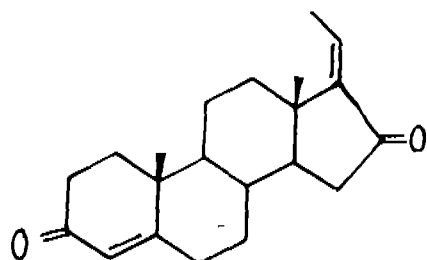
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A process for the preparation of pharmacologically active synthetic Z and E stereoisomeric mixture of guggulsterones of the formulae IA and IB of the accompanying drawings, respectively, comprising reacting 5, 17 (20)-trans-pregnadiene-3 β 16 β and 3 β , 16 α , diols mixture in an aromatic solvent such as herein described in the presence of a catalyst such as herein described using a hydrogen acceptor such as herein described at reflux temperature in an inert atmosphere such as argon or nitrogen atmosphere to obtain the Z and E stereoisomeric mixture of guggulsterones and isolating and purifying the Z and E stereoisomeric mixture of guggulsterones from the reaction mixture in a known manner such as herein described.



Formula IA



Formula IB

Compl. Specn. 7 Pages.

Drg. 1 Sheet.

Ind. Cl. : 55E₂-XIX(1), 189-LXVI(9).
Int. Cl. : A 61K-7/00, 7/48.

167137

COSMETIC COMPOSITION FOR TOPICAL APPLICATION TO MAMMALIAN SKIN.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400020, INDIA.

Inventor : RICHARD SCOTT.

Application No. : 166/Bom/1988 filed on June 9, 1988.

Convention priority date June 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

18 Claims

A cosmetic composition for topical application to mammalian skin which comprises :

- (i) from 0.01 to 99% by weight of hyaluronic acid fragments comprising from 7 to 50 monosaccharide units terminating either with a glucuronic acid unit and/or an N-acetyl glucosamine unit, or an unsaturated derivative of one or both of these terminal units;
- (ii) an activity enhancer such as herein described for enhancing the activity of said fragments in terms of angiogenic and/or hair growth response, following topical application to the skin; and
- (iii) a cosmetically acceptable vehicle, such as herein before described, to form the balance of the composition.

Compl. Specn. 51 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 32 F 2 (a) IX(1), 55E 4 XIX(1).
Int. Cl. : C 12 P—21/00.

167138

A PROCESS FOR THE PRODUCTION OF A NEW ANTI-BACTERIAL ANTIBIOTIC MERSACIDIN FROM A BACILLUS SPECIES Y-85, 54728 AND MUTANTS AND VARIANTS.

Applicant : HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : (1) SUKUMAR CHATTERJEE, (2) SUGATA CHATTERJEE, (3) BIMAL NARESH GANGULI, (4) DEEPAK KUMAR CHATTERJEE, (5) RAJENDRA KUMAR HARIPRASAD JAIN, (6) HANS WOLFRAM FEHLHABER, (7) HERBERT KOLGER, (8) RICHARD HELMET RUPP, (9) GERHAR SEIBERT.

Application No. 193/Bom/1988 filed on 4-7-1988.

Complete after provisional left on 11-7-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

5 Claims

A process for the production of a new antibacterial antibiotic Mersacidin of the formula

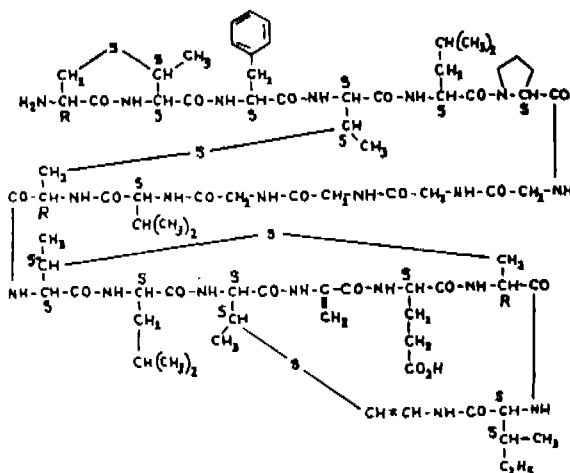


Fig. 1

from a Hoechst India Limited culture No. Y-85, 54728 or its mutants or variants, said process comprises cultivating said culture No-Y-85, 54728 or its mutants or variants by fermentation under aerobic conditions in a nutrient medium herein described at 26-29°C and pH 6.5-7.2 and isolating and purifying the antibiotic Mersacidin from the culture broth in a known manner such as herein described.

Provisional specn 21 pages
Compl. Specn. 27 Pages.

Drgs 4 sheets.
Drg 1 Sheet.

Ind. Cl. : 32 F 1 [IX (1)]
+ 32 F 2 (a) [LX (1)] + 55 D 2 XIX (1)

167139

Int. Cl. : A 01 N 47/34; C 07 C 127/00.

A PROCESS FOR THE PREPARATION OF AROYL UREAS FROM AROYLTHIOUREAS.

Applicants : SEARLE (INDIA) LTD. 21-D SUKHADWALA MARG, BOMBAY 400 001, MAHARASHTRA, INDIA.

Inventors : (1) DR. KUPPUSWAMY NAGARAJAN, (2) DR. SANJEEV MANOHAR GUPTA, (3) DR. KATHATHU RAMAN RAMACHANDRAN & (4) MRS. SHARADA JAGANNATH SHENOY.

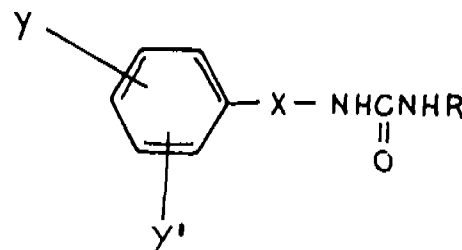
Application No. : 76/Bom/89 filed Mar 27, 1989.

Divisional to application No. 204/Bom/86 Dt. Jul. 24, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

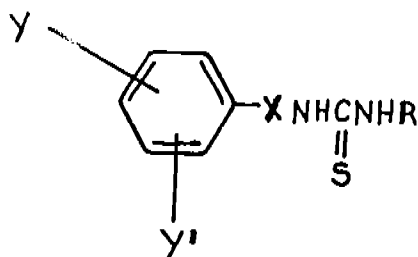
4 Claims

A process for the preparation of aroyl ureas of the formula I



Formula I

shown in the accompanying drawings, wherein each of Y and Y' stands for hydrogen atom, halogen atom such as fluorine, chlorine, bromine or iodine, alkyl group such as methyl or ethyl, alkoxy group such as methoxy or ethoxy, trifluoromethyl group or nitro group, X is carbonyl group and R is alkyl group such as methyl, ethyl, propyl, pentyl, n-butyl or phenyl optionally substituted by one or more substituents such as any one of the atoms or groups mentioned for Y or Y', or cycloalkyl residue such as cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, said process comprises oxidising an aroyl thiourea of the formula II



Formula II

shown in the accompanying drawings, wherein Y, Y', X and R are as defined above, with 5-50% strong hydrogen peroxide in the presence of an aqueous solution of an alkali such as herein described at 0-50°C and recovering the aroyl urea of the formula I from the reaction mixture in a known manner such as herein described.

Compl. Specn. 8 Pages.

Drg. 1 Sheet.

Ind. Cl. : 32 F 1 [IX (1)]

167140

+32 F 2 (a) IX (1)+55 D 2 XIX (1)

Int. Cl. : A 01N 47/34; C 07 C 127/00.

A PROCESS FOR THE PREPARATION OF AROYL UREAS FROM AROYL THIOUREAS.

Applicants : SEARLE (INDIA) Ltd.; 21-D; SUKHADWALA MARG, BOMBAY-400001, MAHARASHTRA, INDIA.

Inventors : (1) DR. KATHATHU RAMAN RAMACHANDRAN, (2) DR. KUPPUSWAMY NAGARAJAN, (3) DR. SANJEEV MANOHAR GUPTA & (4) MRS. SHARADA JAGANNATH SHENOY.

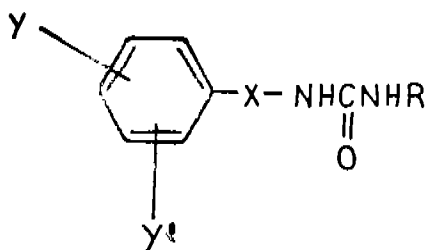
Application No. : 77/Bom/1989 filed Mar 27, 1989.

Divisional to Application No. 204/Bom/86 dated 24th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

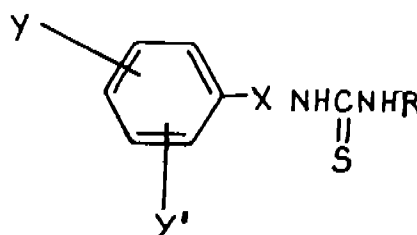
4 Claims

A process for the preparation of aroyl ureas of the formula I



Formula I

shown in the accompanying drawings, wherein each of Y and Y' stands for hydrogen atom, halogen atom such as fluorine, chlorine, bromine or iodine, alkyl group such as methyl or ethyl, alkoxy group such as methoxy or ethoxy, trifluoromethyl group or nitro group, X is carbonyl group and R is alkyl group such as methyl, ethyl, propyl, pentyl, n-butyl or phenyl optionally substituted by one or more substituents such as any one of the atoms or groups mentioned for Y or Y', or cycloalkyl residue such as cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, said process comprises oxidising an aroyl thiourea of the formula II.



Formula II

shown in the accompanying drawings, wherein Y, Y', X and R are as defined above, with 5-50% strong hydrogen peroxide in the presence of an organic acid catalyst such as herein described and an organic solvent such as herein described at 0-50°C and recovering the aroyl urea of the formula I from the reaction mixture in a known manner such as herein described.

Compl. Specn. 7 Pages.

Drg. 1 Sheet.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration in the entry.

Class 1. No. 161802. Tiny Top Appliances Pvt. Ltd., 144 Greaves Road, Madras-600006, T.N. India, "Self Priming Centrifugal Pump". January 22, 1990.

Class 1. No. 161804. Radiotekhnicheskyy Institut Imeni Akademika A.L. Mintsa an SSSR, 125083 Moskva, ul. 8 Marta, 10-12, USSR, a Russian Company. "Physiotherapeutic Instrument". January 22, 1990.

Class 1. Nos. 161805 to 161807. Radiotekhnicheskyy Institut Imeni Akademika A.L. Mintsa an SSSR, 125083 Moskva, ul. 8 Marta, 10-12, USSR, a Russian Company. "Physiotherapeutic Instrument". January 22, 1990.

Class 1. No. 161808. Radiotekhnicheskyy Institut Imeni Akademika A.L. Mintsa an SSSR, 125083 Moskva, ul. 8 Marta, 10-12, USSR, a Russian Company. "Physiotherapeutic Laryngological Instrument". January 22, 1990.

Class 1. No. 161809. Radiotekhnicheskyy Institut Imeni Akademika A.L. Mintsa an SSSR, 125083 Moskva, ul. 8 Marta, 10-12, USSR, a Russian Company. "Physiotherapeutic Gynecological Instrument". January 22, 1990.

Class 1. No. 161810. Radiotekhnichesky Institut Imeni Akademika A.L. Mintsa an SSSR, 125083 Moskva, ul. 8 Marta, 10-12, USSR, a Russian Company. "Physiotherapeutic Appliance". January 22, 1990.

Class 3. No. 161803. Tiny Top Appliances Pvt. Ltd., 144, Greaves Road, Madras-600006, T.N., India. "Self Priming Centrifugal Pump". January 22, 1990.

Class 1. No. 161909. New Friends & Company Ltd., Indian Company, 5-Bhamashah Marg, New Delhi-110009, India, Company. "Time Piece." February 23, 1990.

Class 3. No. 161910. Core Parenterals Ltd., Regd. Office : 4th floor, Narayan Chambers, Ashram Road, Ahmedabad-380009, Gujarat, India, Indian Company. "Bottles". February 27, 1990.

Class 3. No. 162121 & 162122. Kemco Chemicals. 18, R.N. Mukherjee Road, Calcutta-700001, W.B., India, Indian Partnership Firm. "Container". May 21, 1990.

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